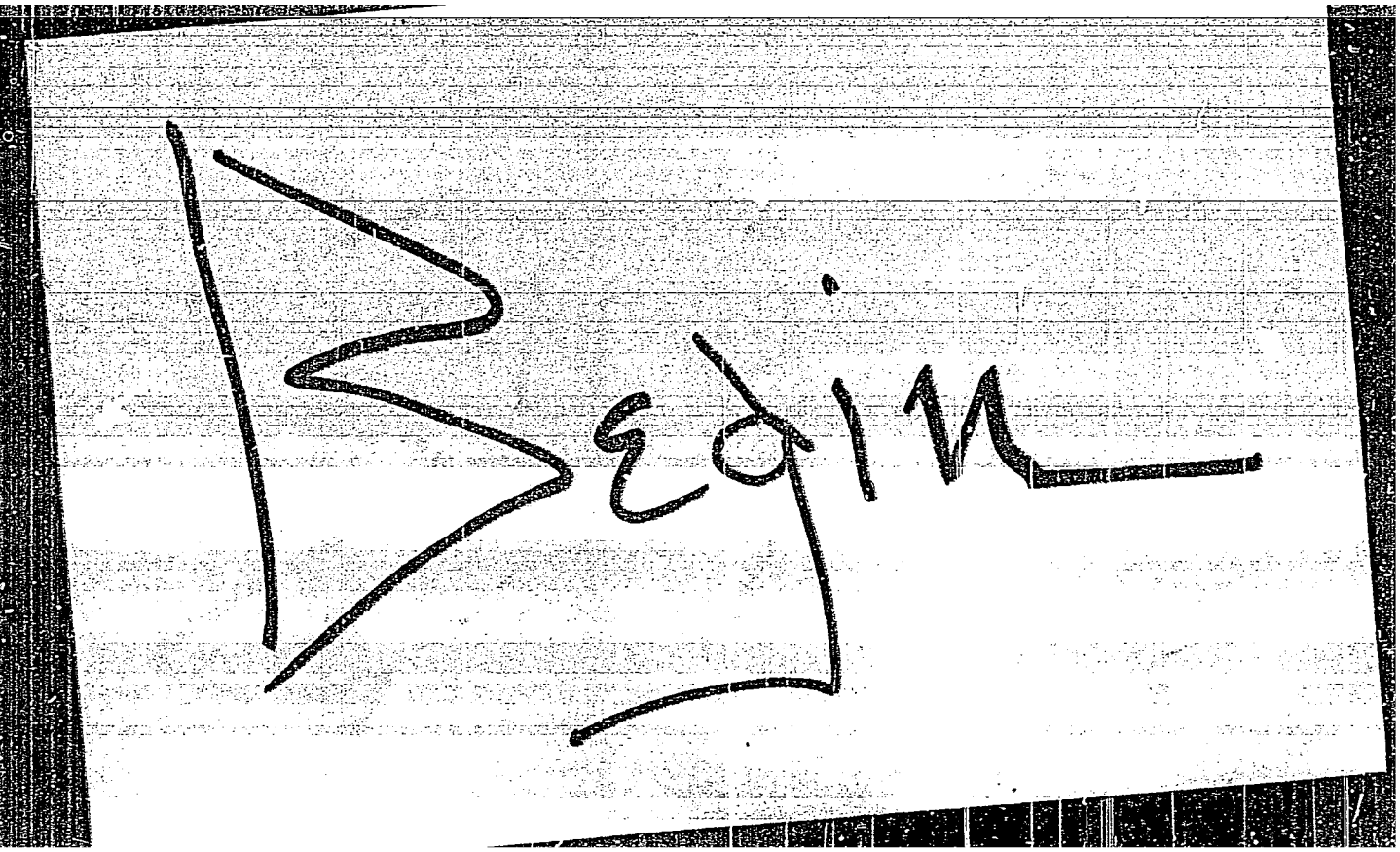
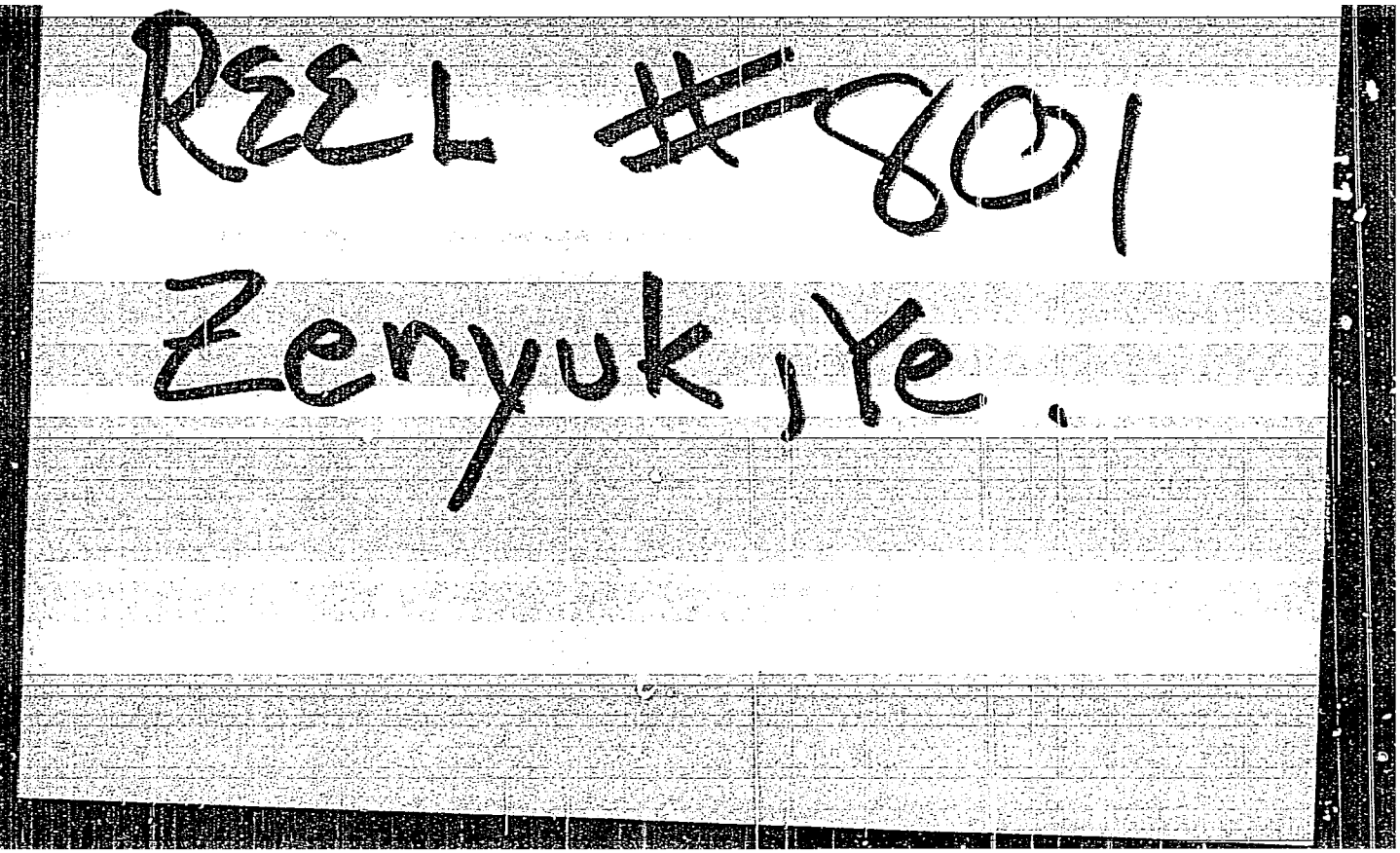




Country : USSR
Category: Cultivated Plants. Fodders. M

Abs Jour: RZhBiol., No 22, 1958, No 100325

Author : Zenyuk, Ye.
Inst :
Title : Alfalfa-Clover Blends.

Orig Pub: S. kh. Kirgizii, 1957, No 8, 9-12

Abstract: Substitution of a part of alfalfa seeds with clover seeds when sowing, makes it possible to increase appreciably on the irrigated lands of Kirghizia the yields of the hay of the grasses and their agro-technical effect in crop rotation. In the first mowings of the blends, clover

Card : 1/3

Country : USSR
Category: Cultivated Plants. Fodders.

M

Abs Jour: RZhBiol., No 22, 1958, No 100325

predominates (or comprises a part of considerable amounts); in the subsequent mowings - alfalfa predominates. Alfalfa, somewhat inhibited by clover in the first mowing, reaches the same growth and vigor as in pure sowings to the extent of the decline of the clover. The best proportion of alfalfa and clover seeds is from 3:1 to 1:1. The sowing rate is 14-16 kilograms/ha. Variations in the proportion of the seeds are hardly reflected in the yield, but alfalfa is a more valuable component. The hay yields according to the years of life of the grasses comprised

Card : 2/3

M-80

Country : USSR
Category: Cultivated Plants. Fodders.

M

Abs Jour: RZhBiol., No 22, 1958, No 100325

(in centners/ha): Alfalfa, II-151.0; III-144.8; IV-142.8; V-109.0; Alfalfa-clover blend, II - - 179.7; III - 115.7, IV - 107.6, V - 98.3. The yield of wheat on the alfalfa-clover bed comprised 106.9% in relation to the yield on the alfalfa bed. -- N.I. Grib

Card : 3/3

L 18791-63 EWT(d)/EWT(l)/EWP(q)/EWT(m)/BDS AFFTC/ASD JD/HW

ACCESSION NR: AP3007043 S/0147/63/000/003/0057/0069

AUTHOR: Zenukov, A. G. 57

TITLE: Calculating method and results of experimental investigation of air-cooled turbine blades 18 14

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 3, 1963, 57-69

TOPIC TAGS: air cooled turbine blade, turbine blade, turbine blade cooling, blade shell, blade cooling, blade core, temperature distribution, temperature field, heat transfer, cooling efficiency, turbine

ABSTRACT: A method for calculating the temperature in a turbine blade based on the use of a simplified representation of heat-transfer processes is presented. The blade is divided into four zones (see Fig. 1 of the Enclosure). It is assumed that the gas temperature in each zone is constant and that a mean heat-transfer coefficient may be used. Typical temperature profiles along the height of blade elements are shown in Fig. 2. Temperature

Card 1/3

differences not exceeding 100K occurred in the temperature field of the blade core. The transverse temperature distribution in the blade at various gas temperatures (Fig. 3) shows that the highest temperature difference is 200K at gas temperature t_g = 1313K and the smallest is 100K at t_g = 873K. These temperature gradients are attributed to cooling of the leading edge. The temperature difference in the transverse profile was found to be affected by the initial cooling-air temperature (t_a). An increase of t_a to 500K lowers the maximum difference to 150K. Special tests were made to evaluate the cooling efficiency of a given blade design at constant cooling-air flow rate and with t_g changing from 800 to 1300K. The variation of efficiency calculated as a function of temperature for the air-to-gas-flow ratio G_a/G_g = 1.6 is shown in Fig. 4. It is concluded that 1) the proposed method is sufficiently simple for engineering calculations; 2) the longitudinal temperature profile of a hollow blade with a dual cooling loop is uniform; 3) the transverse temperature profile of the investigated blade is not uniform and its design must be improved; and 4) the

L 18791-63
ACCESSION NR: AP3007043

cooling efficiency for the blade design investigated is satisfactory.
Orig. art. has: 12 figures and 36 formulas.

ASSOCIATION: none

SUBMITTED: 23Mar63 DATE ACQ: 07Oct63 ENCL: 02

SUB CODE: PR NO REF SOV: 006 OTHER: 001

Card 3/03

RASPOPOV, I.V.; LUKASHOV, G.G.; PLISKANOVSKIY, S.T.; ARTYUKHOV, B.N.; TARASOV, D.A.; ARIKHBAYEV, V.V.; Prinimali uchastiye: ZENYUKOV, V.P.; NEMTSOV, N.S.; GODLEVSKIY, A.I.; LEVCHENKO, G.F.; DEGTYAREVA, Z.I.; GORLACH, A.A.; YAKUSHECHKIN, Ye.I.

Intensifying the sintering process by air preheating and by improving the performance of exhaust fans. Stal' 23 no.8: 679-682 Ag '63. (MIRA 16:9)

1. Zhdanovskiy metallurgicheskiy institut i metallurgicheskiy zavod "Azovstal'."

(Sintering)

ZENZIN, V.N.

137-58-5-9681

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 5, p 116 (USSR)

AUTHORS: Zenzin, V.N., Petrov, G.L., Bruk, B.I.

TITLE: The Latest Achievements of the Scientific Research Organizations of Leningrad in the Welding of Alloy Steels (Noveyshiye dostizheniya nauchno-issledovatel'skikh organizatsiy Leningrada v oblasti svarki legirovannykh staley)

PERIODICAL: V sb.: Svarochnoye proiz-vo. Leningrad, Lenizdat, 1957, pp 38-55

ABSTRACT: The results of investigations in the field of the welding of alloy steels, related to problems of the chemical inhomogeneity of welded joints, determination of a rational composition of austenitic heat-resistant facing metal, and study of the zone of fusion of welds of different steels are presented. Radioactive isotope and metallographic methods of analysis were employed in the investigations.

B.V.

1. Alloy steels--Welding 2. Welded joints--Chemical properties 3. Welds--Properties

Card 1/1

GAVRILOV, A.K., kand.tekhn.nauk; ZENZIN, Yu.A., inzh.

Studying elements of the air conduit of the D-37M engine using integrators based on electrohydrodynamic analogy. Trakt. i sel'khozmash. no.2:7-9 F '65. (MIRA 18:4)

1. Sibirskiy avtomobil'no-dorozhnyy institut im. V.V.Kuybysheva.

ZENZIN, Yu.A.

Using the method of electromechanical analogy in correcting the parameters of cylinder ribbing of an air-cooled engine. Avt.prom. 31 no.4:22-24 Ap '65. (MIRA 18:5)

1. Sibirskiy avtomobil'no-dorozhnyy institut im. V.V.Kuybysheva.

ZENZIN, Yu.A.; BOBROV, V.P.; GAVRILOV, A.K.; CHIRIK, P.I.; KATOL'NIK, V.M.

Stand for controlling the aerodynamic resistance of cylinders and heads of air-cooled engines. Trakt. i sel'khozmash. no.8: 14-15 Ag '65. (MIRA 18:10)

1. Sibirskiy avtomobil'no-dorozhnyy institut im. V.V. Kuybysheva i Vladimirskiy traktornyy zavod im. A.A. Zhdanova.

L 07863-67 EWT(d)/EWT(l)/EWP(m)/EWT(m)/EWP(t)/EWP(c)/EWP(v)/EWP(k)/EWP(l) IJP(c)

ACC NR: AP6011246 FDN SOURCE CODE: UR/0413/66/000/006/0090/0090

AUTHORS: Zensin, Yu. A.; Bobrov, V. P.; Gavrilov, A. K.; Chirik, P. I.; Katol'nik, V. M.

68 B

ORG: none

TITLE: An aerodynamic chamber for inspecting the cylinders and heads of internal combustion engines by their aerodynamic resistance. Class 42, No. 179965

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1966, 90

TOPIC TAGS: aerodynamic test, aerodynamics, internal combustion engine, high pressure chamber

ABSTRACT: This Author Certificate presents an aerodynamic chamber for inspecting the cylinders and heads of internal combustion engines by their aerodynamic resistance. The chamber is connected to a measuring pipe which contains a throttle provided with a device for holding the inspected object and with a U-shaped liquid manometer. The latter records the pressure at the entrance to the measuring pipe, this pressure being indicative of the aerodynamic resistance offered by the inspected object. To provide a means for marking the object being inspected, the device contains a marking equipment with several scribers capable of producing a symbol corresponding to a given aerodynamic resistance. The liquid manometer of the pipe is provided along its

Card 1/2 UDC: 620.533.607

L 07863-67

ACC NR: AP6011246

height with photoresistors responding to the movement of the liquid level. The number of these photoresistors is equal to the number of scribers, and each resistor is electrically connected with one of the markers. To check the pressure in the chamber, a single photoresistor may be placed on the liquid manometer of the chamber and may be electrically connected to the marking device.

SUB CODE: 20,13/ SUBM DATE: 04May64

Card 2/2 bc

ZENZINOV, B.

The Soviet Arctic (Russian Review, Spring 1944, p.65-73).
Brief description of some features of Soviet economic developments of USSR's Arctic regions. Some data on growth of sea and air transport during the 1930's.
DLC: DK1.R82

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

ZENZINOV, B.

The Soviet Arctic. (Russian Review, Spring 1944, p. 65-73).

Brief description of some features of Soviet economic developments of USSR's arctic regions. Some data on growth of sea and air transport during the 1930's

DLC: DK1.R82

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

ZENZINOV, B.

The soviet Arctic. (Russian Review, Spring 1944, p. 65-73).

Bried description fo some features of Soviet economic developments of Ussr's Arcitc regions. Some data on growth of sea and air transport during the 1930(s.

DLC: DK1.R82

SO: Soviet Transportation and Communications, A Bibliography, Library of Congress Reference Department, Washington, 1952, Unclassified.

ZENZINOV, G.S.

Diagnosis of infarcts of the interventricular septum. Ter. arkh., Moskva 25 no. 1:44-55 Jan-Feb 1953. (CIML 24:1)

1. Of the Hospital Therapeutic Clinic (Head -- Prof. M. E. Mandel'shtam), Leningrad Pediatric Medical Institute.

AL'BREKHT, V.G., doktor tekhn.nauk, prof.; ZENZINOV, N.A., inzh.

Characteristics of a track during the initial period of its stabilization. Transp. stroi. 14 no.8:10-12 Ag '64. (MIRA 18:1)

ZENZINOV, N.A., ing., prof.

Machines pulled by tractors for laying rails. Rev cailor fer 11 no.4:223-225 Ap '63.

1. M.I.I.T., Moscova.

ZENZINOV, N.A., mernok (Moszkva)

Soviet-made tractor for track laying. Vasut 13 no.4: 24-25 Ap '63.

ERDELY, Imre; HAJNAL, Lajos; FERENCZY, Pal, fomernok; TAMAS, Ferenc, dr.; SVEHLA, Gyula, dr.; TRAGER, Tamas; BERNOLAK, Bela; ZEOLD, Istvan; KAKASY, Gyula; SAJO, Istvan, dr.

Society life. Epitoanyag 16 no. 2:66 F '64. Epitoanyag 16 no. 2:66 F '64.

1. "Epitoanyag" szerkeszto bizottsagi tagja (for Erdely and Tamas).

ZEOLINSKA, Z.

"The garden of Tatra Mountain Plants in Zakopane."

p. 3 (Chronmy Przyrode Ojczysta) Vol. 14, No. 3, May/June, 1958. Krakow, Poland.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 8 No. 1, Jan. 1959.

ZEORAL, M. ; RUDINGER, J.; SORM, F.

"Amino Acids and Peptides. VIII. Peptides of -Diaminobutyric Acid." p. 530. (COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS. SBORNIK CHEKHOSLOVATSKIKH KHIMICHESKIKH RABOT. Vol. 18, no. 4, Aug. 1953; Praha, Czech.)

So: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 4, April 1955, Uncl..

ZIOLKOWSKI, Stanislaw, inz.; ZEP, Ireneusz, mgr inz.

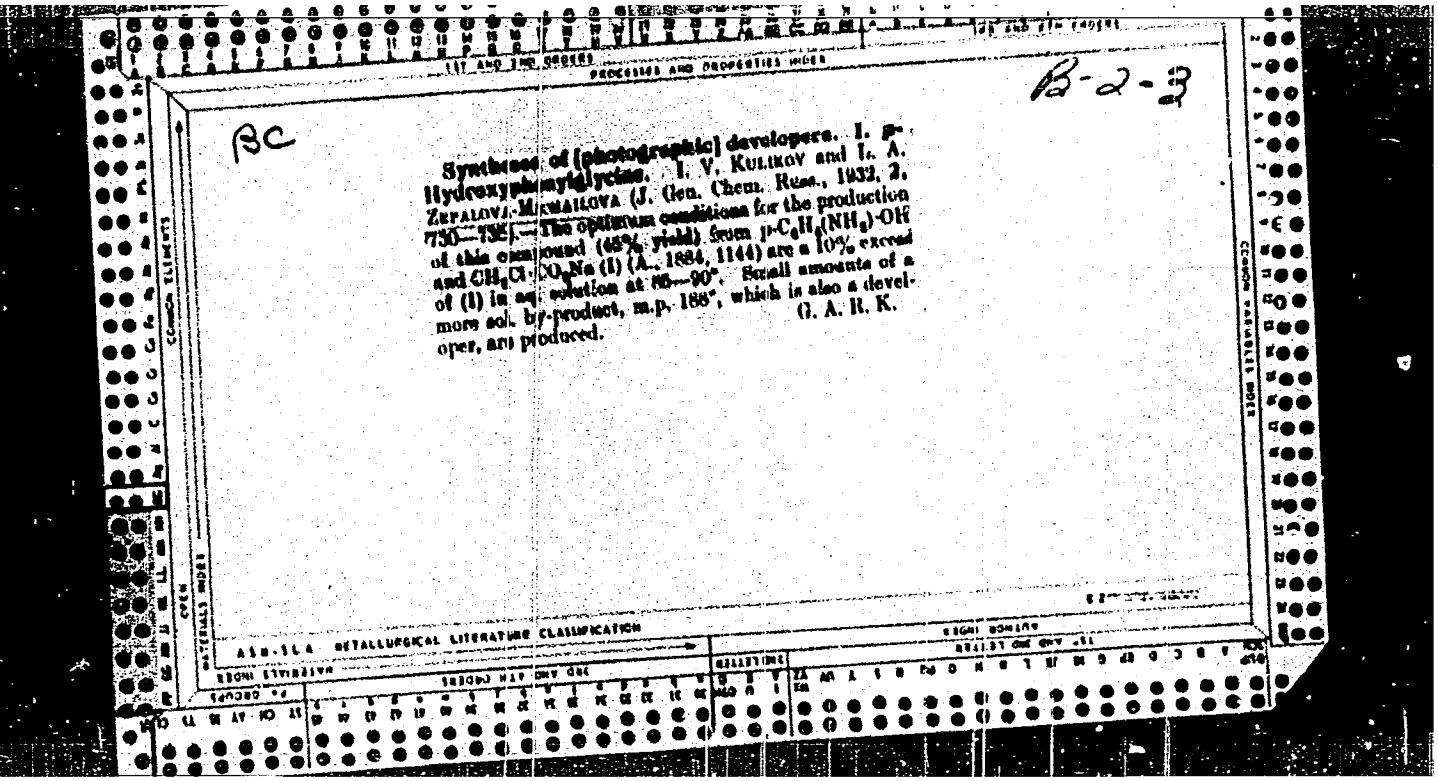
Attempts of using shaped foundry coke for the melting of copper alloys. Przegl odlew 12 no.11:358-359 N '62.

1. ZEPALOV, S.M.
2. USSR (600)
4. Afforestation - Kamyshin District
7. 50 years of afforestation in Kamyshin District, Les.khoz. 6 no. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953. Unclassified.

1. ZEPALOV, S. M.
2. USSR (600)
4. Kamyshin District - Afforestation
7. 50 years of afforestation in Kamyshin District, Les. khoz., 6, no. 3, 1953.

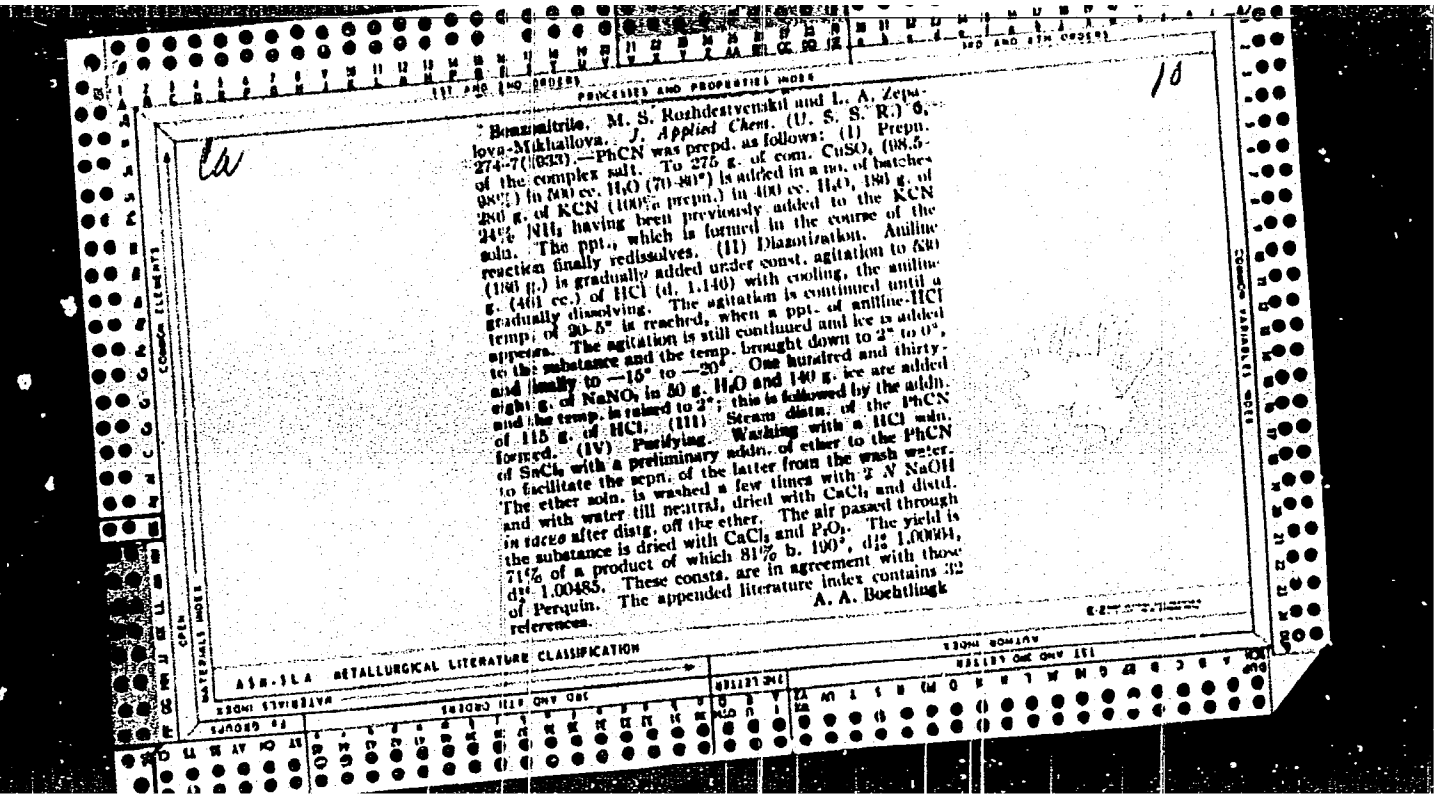
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.



B-2-3

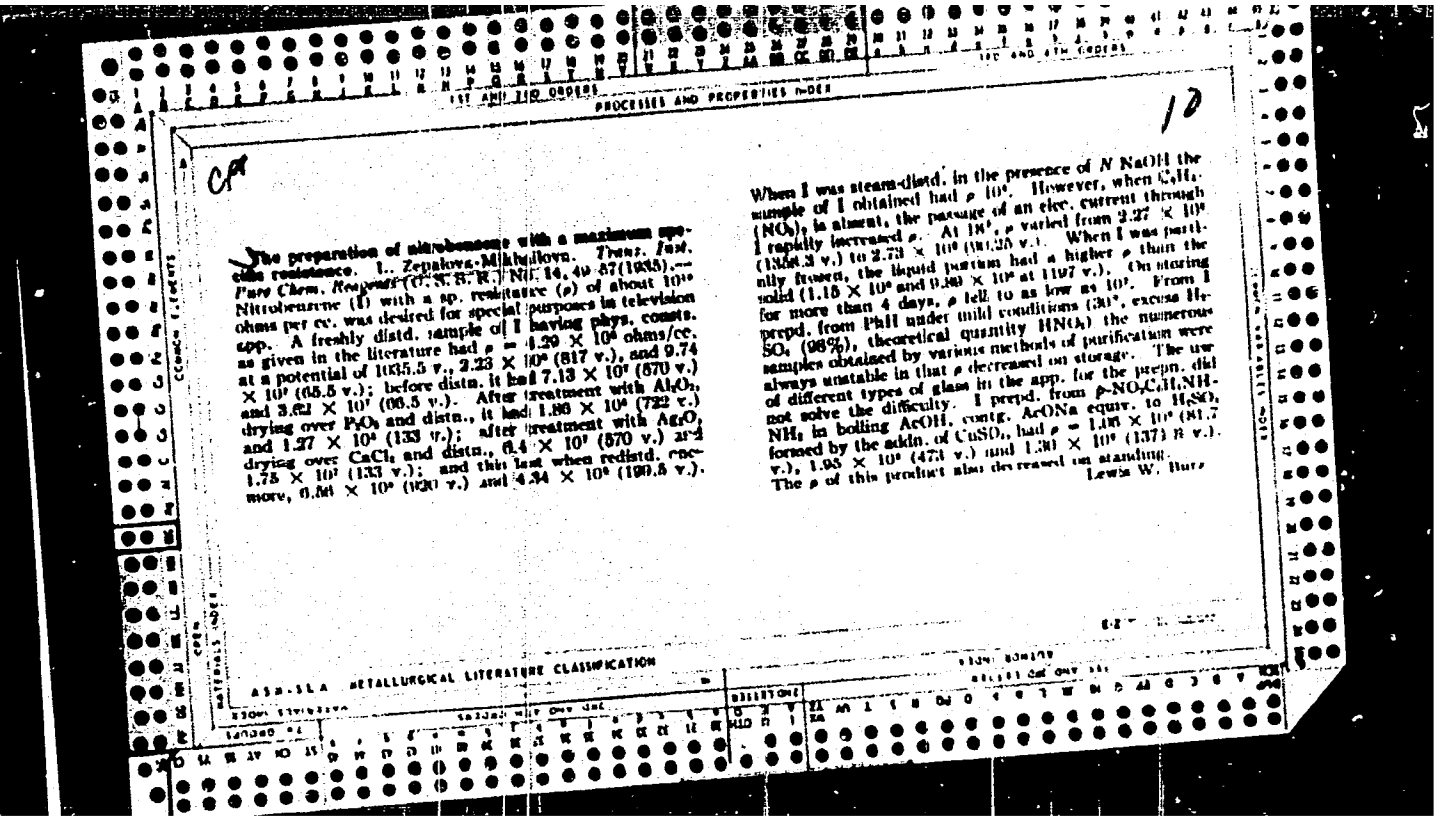
BC

Synthesis of [photographic] developers. I. p-Hydroxyphenylmethylglycine. I. V. KULIKOV and L. A. ZERALOVA-MIKHAILOVA (J. Gen. Chem. Russ., 1932, 2, 750—757).—The optimum conditions for the production of this compound (65% yield) from p-$C_6H_4(NH_2)$-OH and $CH_2Cl \cdot CO_2Na$ (I) (A., 1884, 1144) are a 10% excess of (I) in aq. solution at 85—90°. Small amounts of a more sol. by-product, m.p. 188°, which is also a developer, are produced. G. A. R. K.



Benzonitrile. M. S. Rozhdestvenskii and L. A. Zepalova-Mikhailova. *J. Applied Chem.* (U. S. S. R.) 6, 274-7(1933).—PhCN was prepd. as follows: (I) Prepn. of the complex salt. To 275 g. of com. $CuSO_4$ (98.5-99%) in 500 cc. H_2O (70-80°) is added in a no. of batches 200 g. of KCN (100% prepn.) in 400 cc. H_2O, 180 g. of 24% NH_3 having been previously added to the KCN soln. The ppt., which is formed in the course of the reaction finally redissolves. (II) Diazotization. Aniline (180 g.) is gradually added under const. agitation to 830 g. (461 cc.) of HCl (d. 1.140) with cooling, the aniline gradually dissolving. The agitation is continued until a temp. of 20-5° is reached, when a ppt. of aniline-HCl appears. The agitation is still continued and ice is added to the substance and the temp. brought down to 2° to 0°, and finally to —15° to —20°. One hundred and thirty-eight g. of $NaNO_2$ in 50 g. H_2O and 140 g. ice are added and the temp. is raised to 2°; this is followed by the addn. of 115 g. of HCl. (III) Steam distn. of the PhCN formed. (IV) Purifying. Washing with a HCl soln. of $SnCl_2$ with a preliminary addn. of ether to the PhCN to facilitate the sepn. of the latter from the wash water. The ether soln. is washed a few times with 2 *N* NaOH and with water till neutral, dried with $CaCl_2$ and distd. in vacuo after distg. off the ether. The air passed through the substance is dried with $CaCl_2$ and P_2O_5. The yield is 71% of a product of which 81% b. 190°, d_4^{18} 1.00084, d_4^{20} 1.00485. These consts. are in agreement with those of Perquin. The appended literature index contains 32 references.

A. A. Boehtlingk



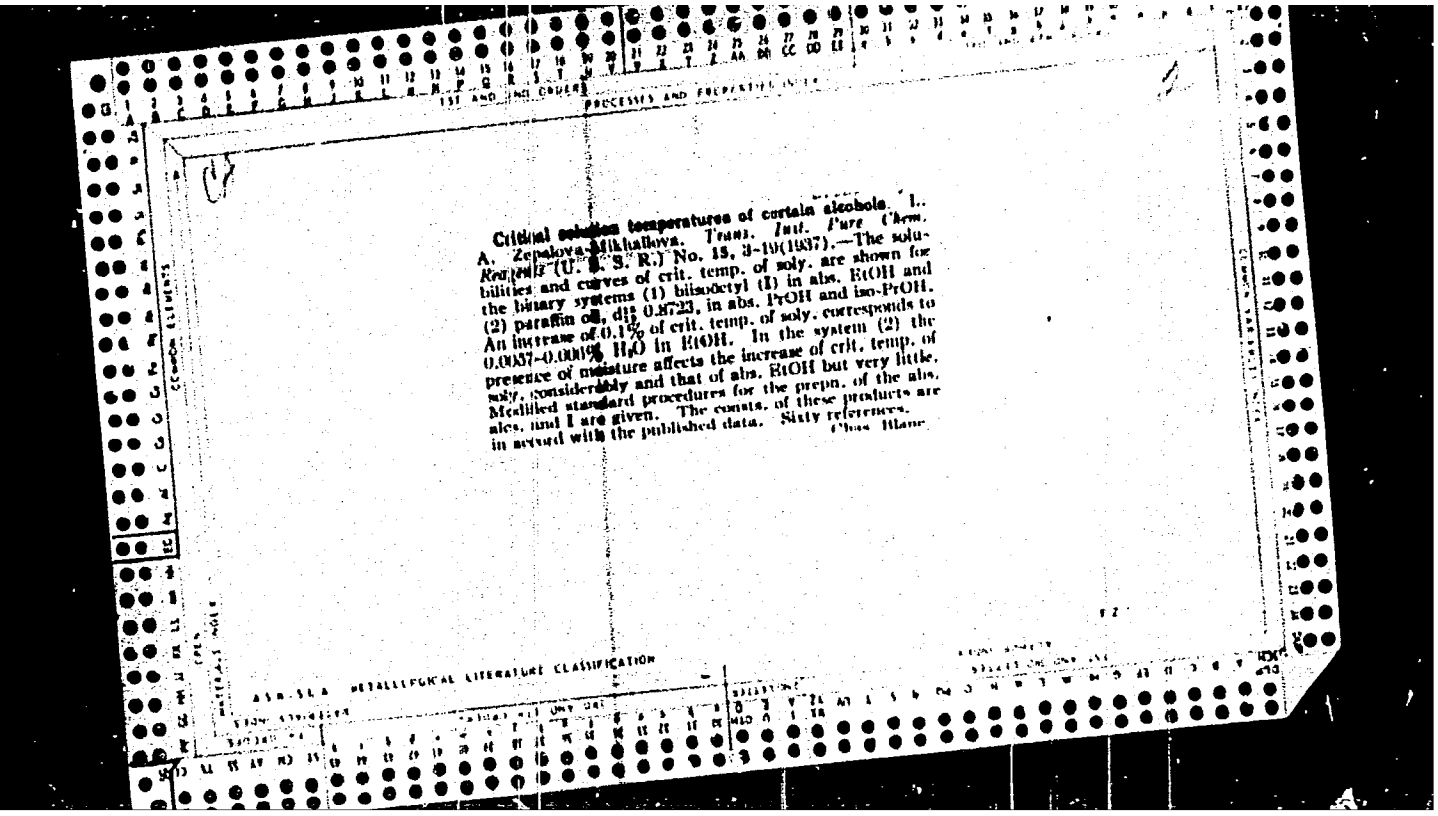
PROCESSES AND PROPERTIES INDEX

10

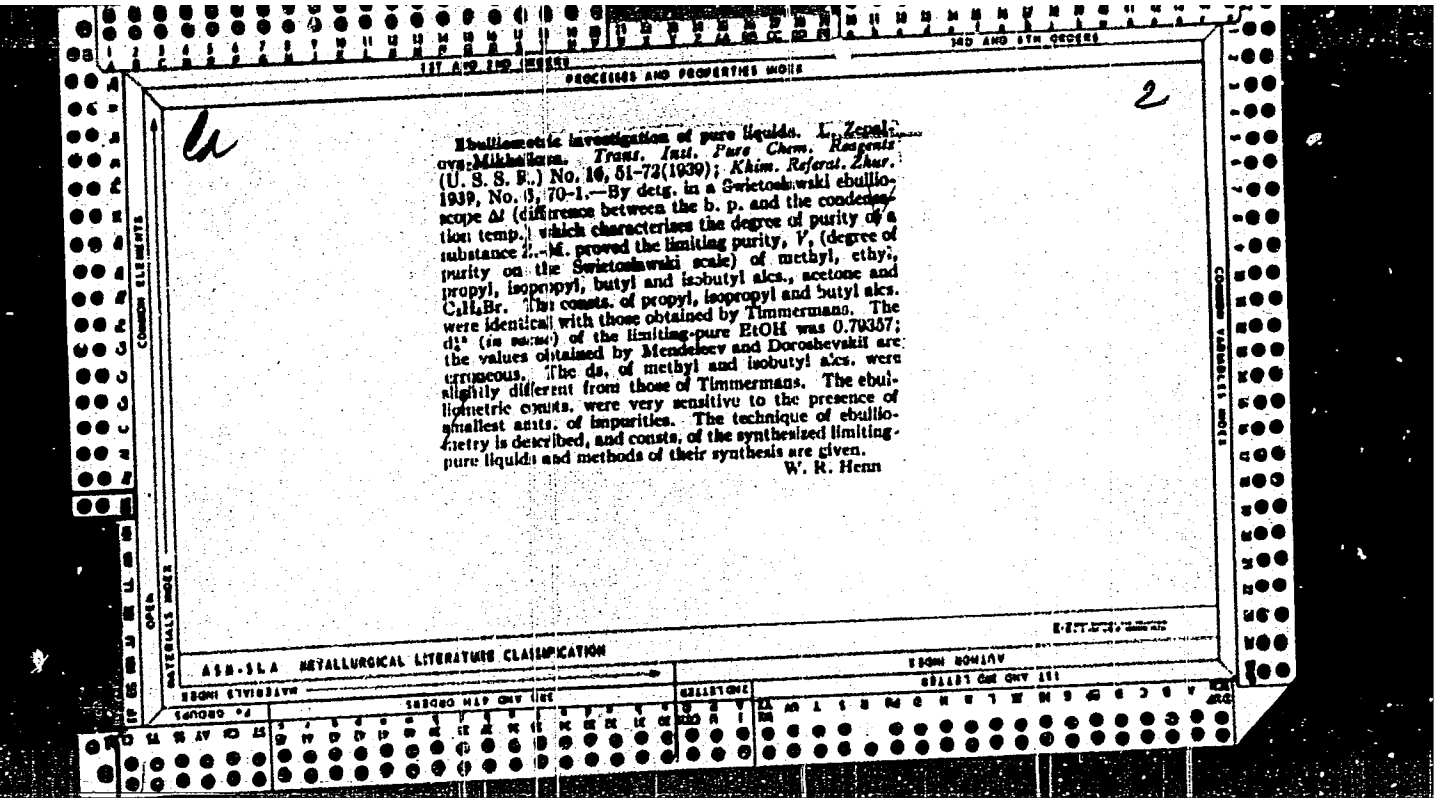
The preparation of nitrobenzene with a maximum specific resistance. L. Zenalova-Mikhailova. *Trans. Inst. Pure Chem. Reagents* (U. S. S. R.) No. 14, 49–57 (1935).—Nitrobenzene (I) with a sp. resistance (ρ) of about 10^{10} ohms per cc. was desired for special purposes in television app. A freshly distd. sample of I having phys. consts. as given in the literature had $\rho = 4.29 \times 10^6$ ohms/cc. at a potential of 1035.5 v., 2.23×10^8 (817 v.), and 9.74×10^7 (65.5 v.); before distn. it had 7.13×10^9 (870 v.) and 3.62×10^7 (66.5 v.). After treatment with Al_2O_3 and 1.27×10^8 (133 v.); after treatment with $AgrO_3$ drying over $CaCl_2$ and distn., 6.4×10^7 (870 v.) and 1.75×10^7 (133 v.); and this last when redistd. once more, 6.86×10^8 (920 v.) and 4.34×10^8 (199.5 v.). When I was steam-distd. in the presence of *N* NaOH the sample of I obtained had ρ 10^6. However, when $C_6H_5(NO_2)_2$ is absent, the passage of an elec. current through I rapidly increased ρ. At 18°, ρ varied from 2.27×10^9 (1356.3 v.) to 2.73×10^8 (181.20 v.). When I was partially frozen, the liquid portion had a higher ρ than the solid (1.15×10^8 and 9.80×10^8 at 1197 v.). On storing for more than 4 days, ρ fell to as low as 10^6. From I perpd. from PhH under mild conditions (30°, excess H_2SO_4 (98%)), theoretical quantity HNO_3) the numerous samples obtained by various methods of purification were always unstable in that ρ decreased on storage. The use of different types of glass in the app. for the prepn. did not solve the difficulty. I perpd. from *p*-$NO_2C_6H_4NH_2$ in boiling AcOH, contg. AcONa equiv. to H_2SO_4 formed by the addn. of $CuSO_4$, had $\rho = 1.08 \times 10^9$ (81.7 v.), 1.95×10^8 (473 v.) and 1.30×10^8 (137) R v.). The ρ of this product also decreased on standing.

Lewis W. Butz

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

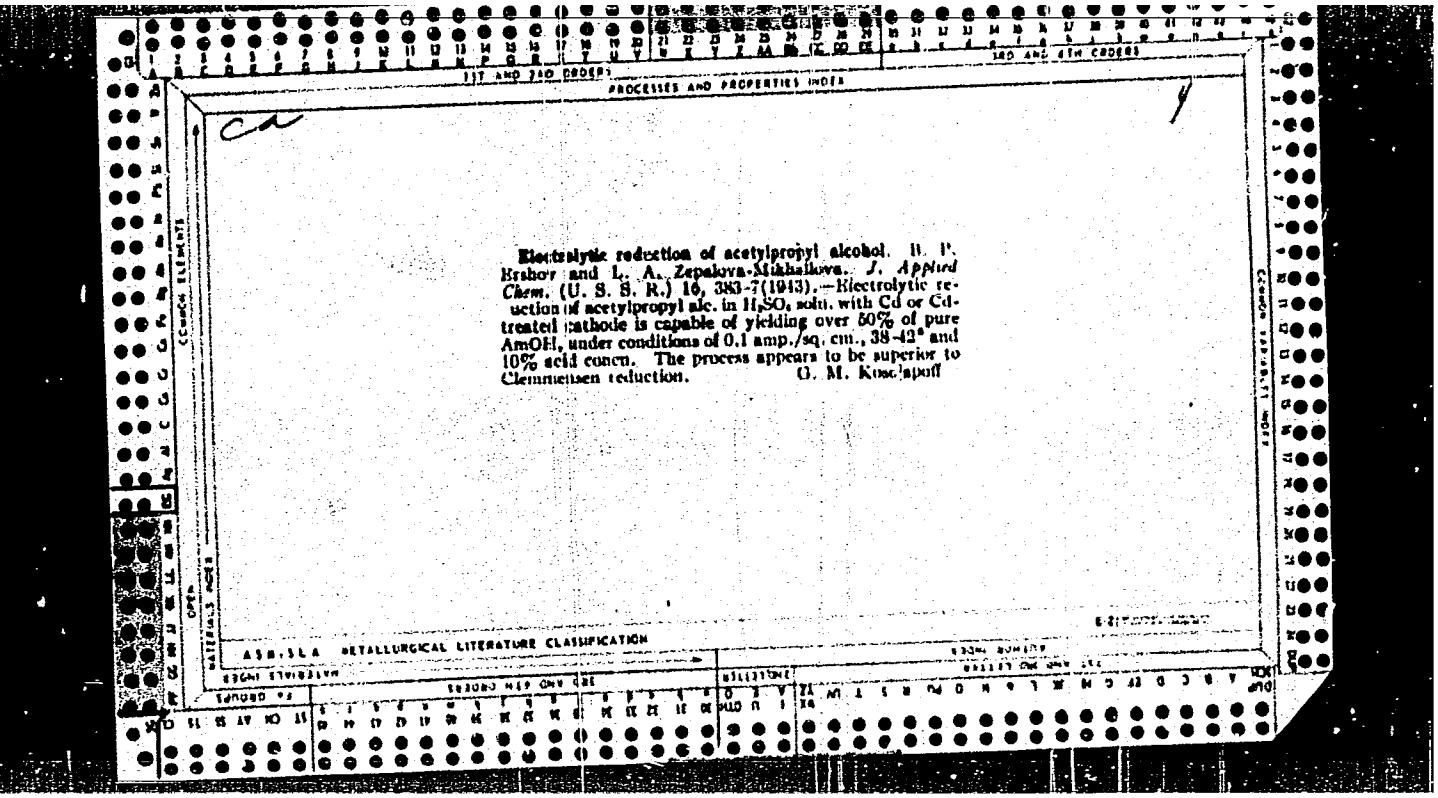


Critical solution temperatures of certain alcohols. I.. A. Zepalova-Alikhallova. *Trans. Inst. Pure Chem. Reagents* (U. S. S. R.) No. 15, 3-19(1937).—The solubilities and curves of crit. temp. of soly. are shown for the binary systems (1) bisoctyl (I) in abs. EtOH and (2) paraffin oil, d_{15}^{15} 0.8723, in abs. PrOH and iso-PrOH. An increase of 0.1% of crit. temp. of soly. corresponds to 0.0037–0.0016% H_2O in EtOH. In the system (2) the presence of moisture affects the increase of crit. temp. of soly. considerably and that of abs. EtOH but very little. Modified standard procedures for the prepn. of the abs. alcs. and I are given. The consts. of these products are in accord with the published data. Sixty references. Chas. Blanc.



Ebulliometric investigation of pure liquids. L. Zepalova-Mikhailova. *Trans. Inst. Pure Chem. Reagents* (U. S. S. R.) No. 16, 51–72(1939); *Khim. Referat. Zhur.* 1939, No. 5, 70–1.—By detg. in a Swietoslawski ebulliscope Δt (difference between the b. p. and the condensation temp.), which characterizes the degree of purity of a substance, M. proved the limiting purity, N, (degree of purity on the Swietoslawski scale) of methyl, ethyl, propyl, isopropyl, butyl and isobutyl alcs., acetone and C_6H_5Br. The consts. of propyl, isopropyl and butyl alcs. were identical with those obtained by Timmermans. The d_4^{20} (in vacuo) of the limiting-pure EtOH was 0.79357; the values obtained by Mendeleev and Doroshevskii are erroneous. The ds. of methyl and isobutyl alcs. were slightly different from those of Timmermans. The ebulliometric consts. were very sensitive to the presence of smallest amts. of impurities. The technique of ebulliometry is described, and consts. of the synthesized limiting-pure liquids and methods of their synthesis are given.

W. R. Henn



Electrolytic reduction of acetylpropyl alcohol. B. P. Krshov and L. A. Zapakova-Mikhailova. *J. Applied Chem.* (U. S. S. R.) 16, 383-7(1943).—Electrolytic reduction of acetylpropyl alc. in H_2SO_4 soln. with Cd or Cd-treated cathode is capable of yielding over 50% of pure AmOH, under conditions of 0.1 amp./sq. cm., 38-42° and 10% acid concn. The process appears to be superior to Clemmensen reduction. G. M. Kosolapoff

ZEPCHLA, W.

"Influence of Low Temperatures on the Development of Yeast." p. 150, (Roczniki Nauk ROLNICZYCH. SERIA A-ROSLINNA, Vol. 66, no. 3, 1953, Warsaw, Poland).

SO: Monthly List of East European Acces ion, Lib of Congress, Vol 2, no 10 Oct. 1953, Uncl.

ZEPE M. D.

USSR/ Physics - Spectral analysis

Card 1/1 Pub. 43 - 24/62

Authors : Zepe, M. D.

Title : Connection between combined diffusion spectra and electron spectra of molecules

Periodical : Izv. AN SSSR. Ser. fiz. 18/6, 684-685, Nov-Dec 1954

Abstract : The mathematical procedure, the formulas and functions, necessary for the determination of the bond between the spectra of combined diffusion and the electron spectra of molecules are explained. The adoption of linear approximations in the calculations is discussed.

Institution : Acad. of Sc., Latv. SSR, Physics Inst.

Submitted : .....

ZEPE, Milda; FELDHUNE, A., red.; ZUKOVSKA, A., tekhn. red.

[Cosmic rays] Kosmiskie stari. Riga, Latvijas PSR. Zinatnu akademijas izdevnieciba, 1957. 77 p. (MIRA 15:3)
(Cosmic rays)

AUTHORS: Gorbacheva, I. N., Lerner, M. I., Zapesochnaya, G. G., Varnakova, L. P., Preobrazhenskiy, N. A. 79-12-35/43

TITLE: Investigations in the Field of the Synthesis of the Alkaloid Magnolamine (Issledovaniye v oblasti sinteza alkaloida Magnolamina).

PERIODICAL: Zhurnal Obshchey Khimii, 1957, Vol. 27, Nr 12, pp. 3353-3357 (USSR)

ABSTRACT: On the basis of the investigations conducted by the authors, the formula I was proposed for magnolamine in this paper. By a complete synthesis it was possible to establish the structure of this alkaloid definetively. In the present investigation it was succeded to produce the basic intermediate product of the synthesis of the dimethylether of magnolamine. By means of a condensation of the dichlorine anhydride of the 3,4 - dimethyloxy - 4,6 - dicarboxymethyl diphenylether (formula II) with - (3 - methoxy - 4 - benzyloxy) - phenylethylamine (formula III) the diamide was obtained (formula IV) the simultaneous closing of the two isoquinoline rings lead to the dichloric hydrate of the 3,4 - dimethoxy - 4",6' - [bi - (6 - methoxy - 7 - benzyl-

Card 1/2

Investigations in the Field of the Synthesis of the Alkaloid Magnolamine 79-12-35/43

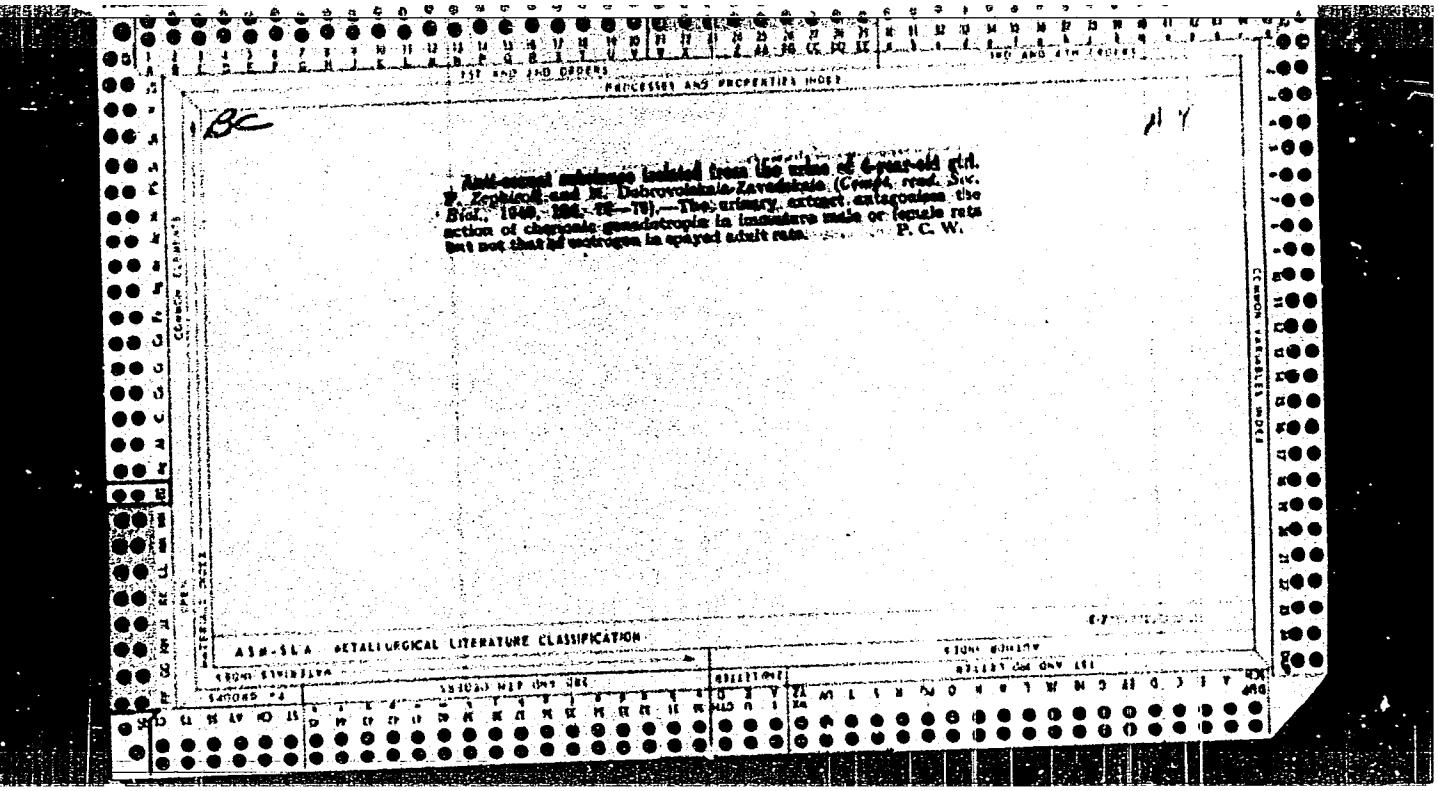
oxi) - 3,4 dihydro - isoquinolyle] - dimethylphenylether (formula V). A further hydration, a methylation and a removal of the benzyl residua must lead to the dioxymethyl-ether of the magnolamine. The 3,4 - dimethoxy - 4',6 - dicarboxymethyldiphenylether (formula II) was produced by two methods. The further reaction process is represented by the formulae VI, VII, VIII, and IX. From this it appears, that a basic intermediate product of the synthesis of the dimethylether of the alkaloid magnolamine has been synthesized. There are 6 references, 2 of which are Slavic.

ASSOCIATION: Moscow Institute of Fine Chemicel Technology (Moskovskiy institut tonkoy khimicheskoy tekhnologii).

SUBMITTED: August 21, 1956

AVAILABLE: Library of Congress

Card 2/2 1. Magnolamine - Synthesis 2. Alkaloids - Synthesis



Anti-estrogen substance isolated from the urine of 6-year-old girl. P. Zephirol and M. Dobrovolskaia-Zavadskaia. (Compt. rend. Soc. Biol., 1940, 133, 78—79).—The urinary extract antagonises the action of chorionic gonadotropin in immature male or female rats but not that of oestrogen in spayed adult rats. P. C. W.

1ST AND 2ND ORDERS

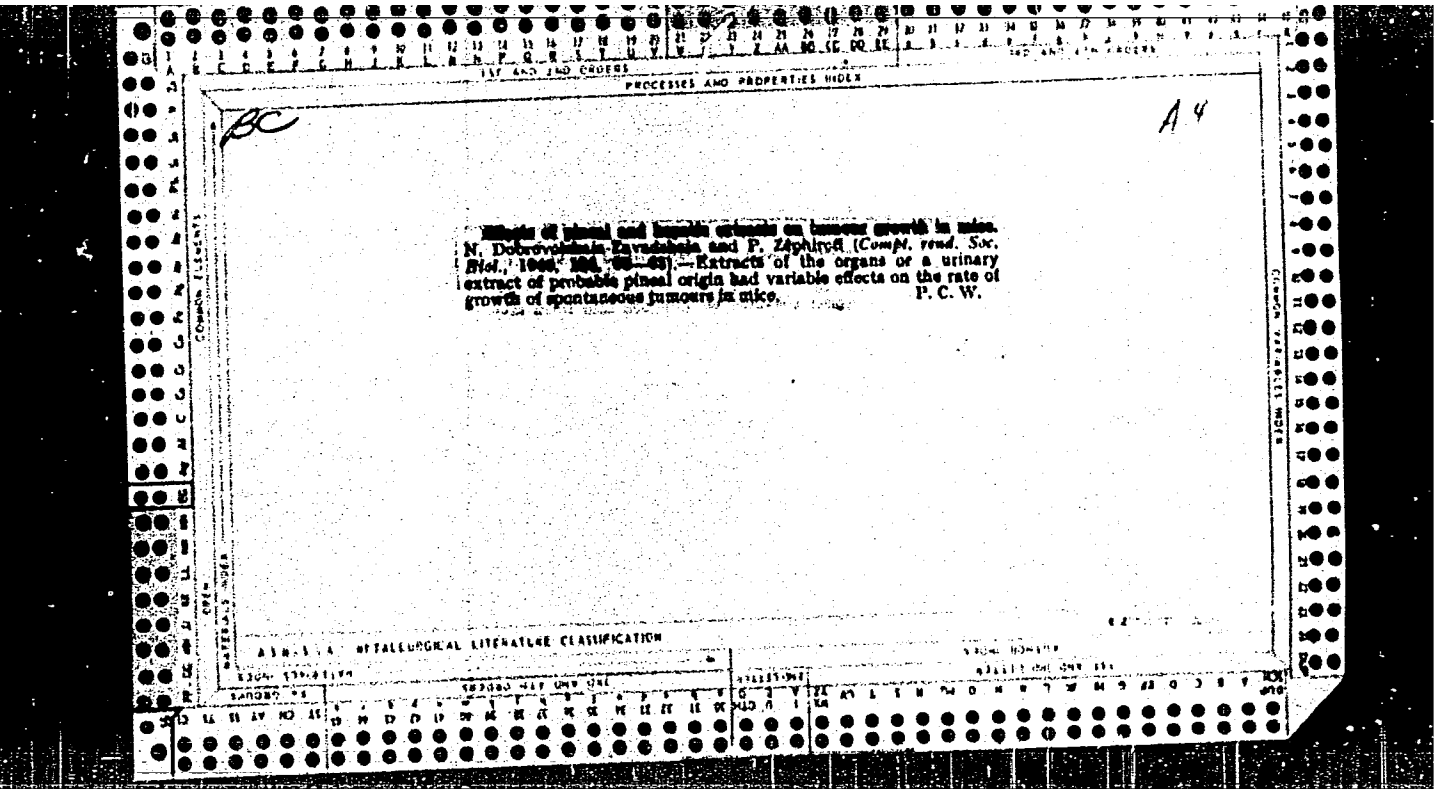
PROCESSES AND PROPERTIES INDEX

BC

A 4

Probable site of age in pineal function. P. Zephiroff and N. Dobrovolskaia-Zavadskaia (*Compt. rend. Soc. Biol.* 1940, **134**, 57—59).—An extract from the urine of a 4-year-old girl, probably of pineal origin (cf. A., 1941, III, 871), when injected during 30 days reduced the growth of young rats. A similar extract from the urine of an 8-year-old girl had no effect. P. C. W.

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



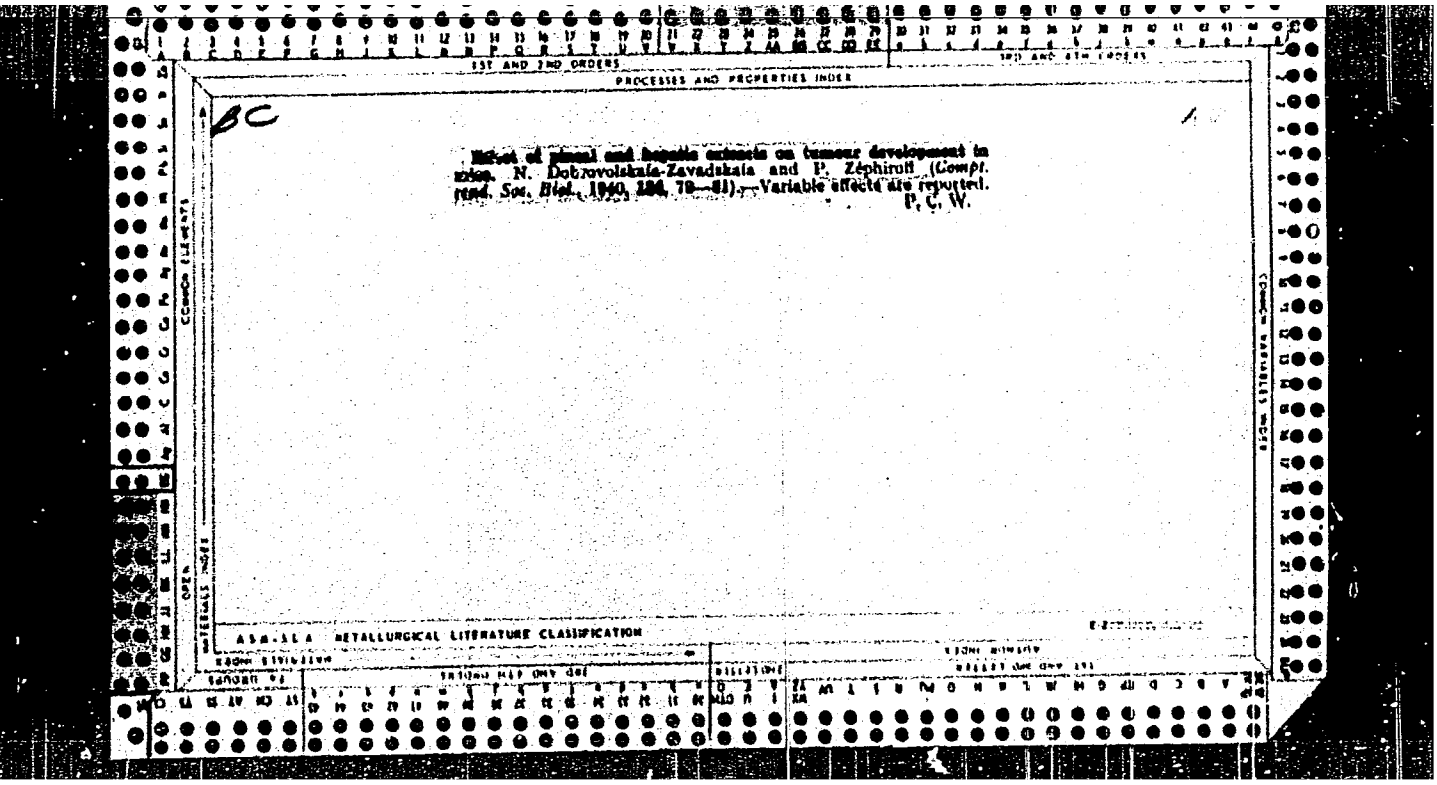
PROCESSES AND PROPERTIES INDEX

BC

A 4

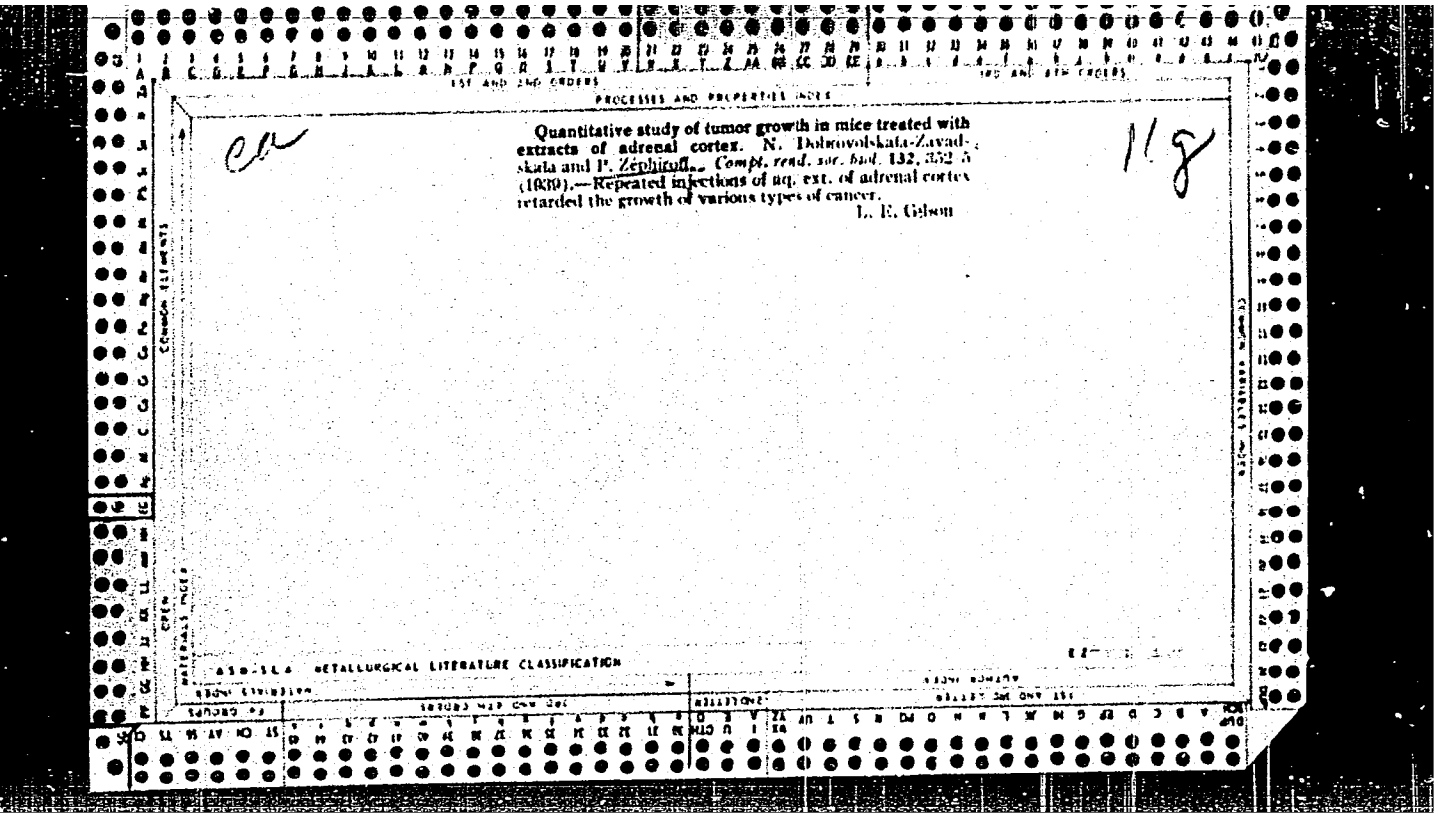
Effects of pineal and hypophysis extracts on tumour growth in mice. N. Dobrovolskaia-Zavadskaia and P. Zaphiriou (*Compt. rend. Soc. Biol.*, 1960, 154, 63–65).—Extracts of the organs or a urinary extract of probable pineal origin had variable effects on the rate of growth of spontaneous tumours in mice. P. C. W.

ASM-S A METALLURGICAL LITERATURE CLASSIFICATION



BC

Effect of pineal and hepatic extracts on tumour development in mice. N. Dobrovolskaia-Zavadskaia and P. Zéphiroff. (*Compt. rend. Soc. Biol.*, 1940, 134, 78—81).—Variable effects are reported.
P. C. W.



PROCESSES AND PROPERTIES INDEX

Quantitative study of tumor growth in mice treated with extracts of adrenal cortex. N. Dobrovolskaia-Zavadskaia and P. Zephiroff. *Compt. rend. soc. biol.* 132, 352-5 (1939).—Repeated injections of aq. ext. of adrenal cortex retarded the growth of various types of cancer.
L. E. Gibson

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

ZEPIC, J.

Interlocking capacity of the switches of a low-tension and alternating-current motor, with special regard to contactors with silver contact. In French and Slovenian. p. a19.

Periodical: ELEKTROTEHNISKI VESTNIK

Vol. 26, no. 7/8, 1958.

TECHNOLOGY

SO: Monthly List of East European Accessions (EEAI) LC

Vol. 8, No. 4
April 1959, Uncl.

ZEPIC, V.

"The World Power Conference; its work during the session in Belgrade, June 1957."

p. 259 (Energija) Vol. 6, no. 9/10, Sept./Oct. 1957
Zagreb, Yugoslavia

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

ZEPIC, Vladimir

Forty years of the activities of the World Power Conference.
Elektroprivreda 17 no.7/8:315-317 Jl-Ag '64.

8(6) YUG/3-59-1-15/26

AUTHOR: Žepić, V., Engineer, Professor

TITLE: Visit of Mr. William L Newmeyer, Expert from American Technical Aid, to the Yugoslavian Public Electricity Supply (Poseta G. Williama L. Newmeyera, stručnjaka američke tehničke pomoći jugoslovenskoj elektroprivredi)

PERIODICAL: Elektroprivreda, 1959, Nr 1, pp 39 - 40 (YUG)

ABSTRACT: The article discusses the visit of Mr. Newmeyer, and gives a brief summary of the problems he discussed.

Card 1/1

ZEPIC, Vladimir, prof. inz.

Size and importance of the hydroelectric power plant "Split."
Tesla 9 no.3:7-10 '62.

1. Zajednica elektroprivrednih poduzeca Hrvatske, Zagreb, Proleterskih brigada 37.

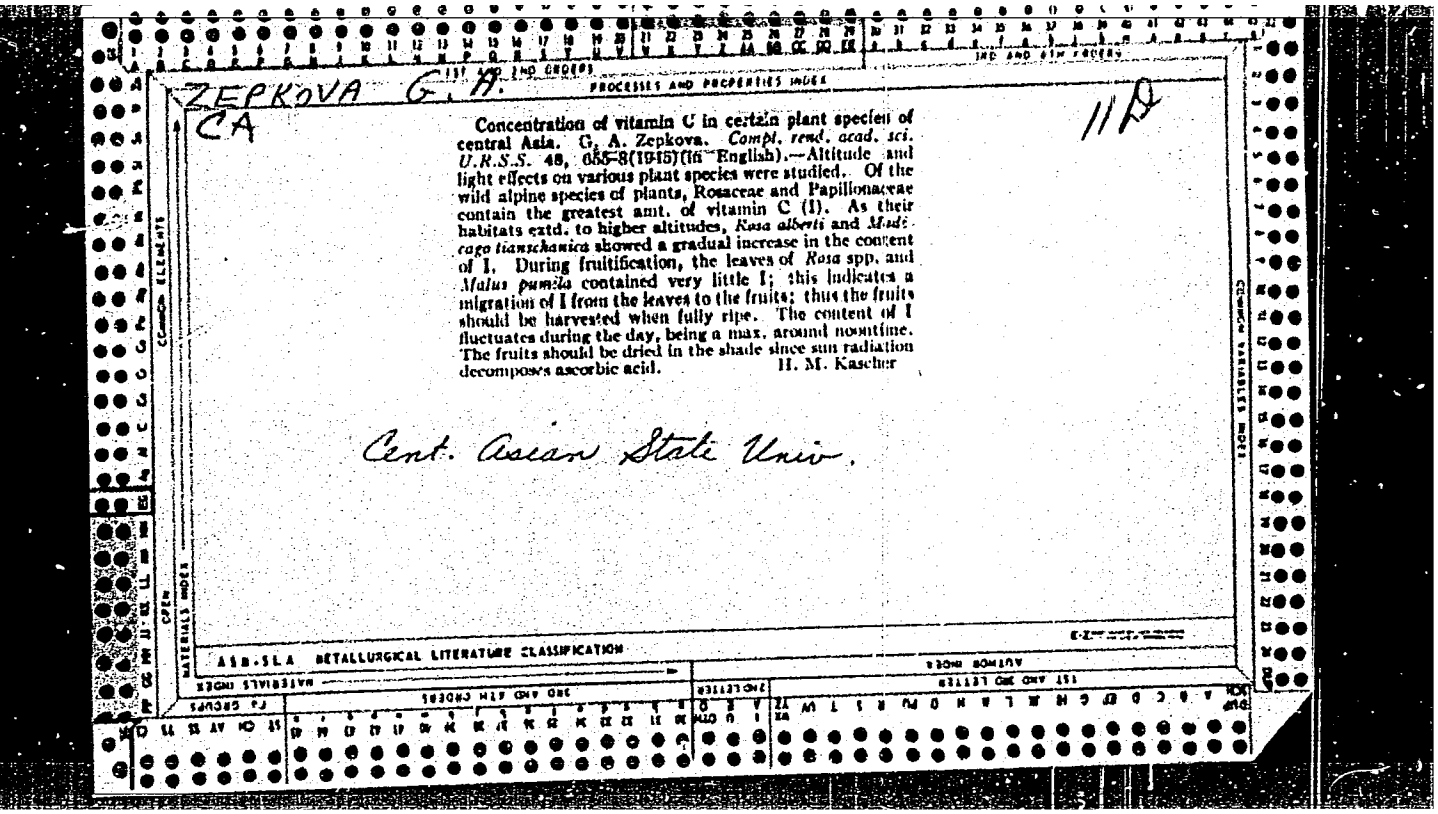
ZEPIC, Vladimir, prof. inz.

Prof. Dr. Eng. Milan Vidmar; obituary. Energija Hrv 11 no.9/10: 281-282 no.9/10:281-282 '62.

1. Clan Urednickog odbora, "Energija".

ADAMSKI, Czeslaw, doc. dr inz.; ZIOLKOWSKI, Stanislaw, inz.; ZEP Ireneusz, mgr inz.

Influence of the melting technology on the mechanical properties and structure of special Cu54Mn4Fe11Sn11Zn bronze. Przegl odlew 13 no. 12:328-332 D '63.



ZEPKOVA G. A.

CA

PROCESSES AND PROPERTIES INDEX

11D

Concentration of vitamin C in certain plant species of central Asia. G. A. Zepkova. *Compt. rend. acad. sci. U.R.S.S.* 48, 055-8(1945)(In English).—Altitude and light effects on various plant species were studied. Of the wild alpine species of plants, Rosaceae and Papilionaceae contain the greatest amt. of vitamin C (I). As their habitats extd. to higher altitudes, *Rosa alberti* and *Medicago tianschanica* showed a gradual increase in the content of I. During fruitification, the leaves of *Rosa* spp. and *Malus pumila* contained very little I; this indicates a migration of I from the leaves to the fruits; thus the fruits should be harvested when fully ripe. The content of I fluctuates during the day, being a max. around noontime. The fruits should be dried in the shade since sun radiation decomposes ascorbic acid. H. M. Kasehar

Cent. Asian State Univ.

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

ZEPLYAYEV, P.P.

"Similitude Properties of Electric Circuits with Constant Parameters,"

Dok. AN, 30, No. 4, 1941. Mbr., Inst. Precision Mechanics and Optics, Leningrad, -1941-.

POLAND/Pharmacology and Toxicology - Cardiovascular Agents. V-6

Abs Jour : Ref Zhur - Biol., No 21, 1958, 98548

Author : Zera, Edmund; Jagielski, Stanislaw
Inst : -
Title : Restoration of Sinus Rhythms in Patients with Auricular Fibrillation by Means of Quinidine.

Orig Pub : Polski tygod. lekar., 1957, 12, No 23, 867-871

Abstract : Results of treatment with quinidine sulfate (0.6-4 g daily) of 96 patients with auricular fibrillation of various etiology, are reported. Restoration of sinus rhythms was observed in 69 patients (79.3%). Stable sinus rhythm, followed up for 1-3 years, was noted in 40 patients (58%). Indications for use of quinidine in auricular fibrillation are investigated and the possibilities of attaining a stable sinus rhythm with the aid of quinidine are discussed. -- G.I. Arsen'yev

Card 1/1

ZERA, Edmund; HOFFMAN, Maria; JANIK, Zofia; IIMURZYNSKA, Krystyna; KRZYZANOWSKA, Regina

Rehabilitation of myocardial infarction patients under sanatorial conditions. Pol. tyg. lek. 18 no,34:1264-1267 19 Ag 163.

1. Z Kardiologicznego Osrodka Rehabilitacji Poszpitalnej w Sanatorium w Naleczowie i z Kliniki Kardiologii Studium Doskonalenia Lekarzy w AM w Warszawie; kierownik: prof. dr med. Edmund Zera.
(MYOCARDIAL INFARCT) (REHABILITATION)

ZERA, Edmund; MOJKOWSKA, Halina

Restoration of the sinus rhythm in mitral stenosis following commissurotomy. Pol. arch. med. wewnet. 34 no.4:455-460 '64

1. Z Kliniki Kardiologii Studium Doskonalenia Lekarzy w Akademii Medycznej w Warszawie (Kierownik: prof. dr. med. E. Zera).

ZERA, Edmund; MOJKOWSKA, Halina

Evaluation of therapeutic results in subacute bacterial endocarditis according to data on 140 cases. Polskie arch. med. wewnetrz. 30 no.10:1303-1310 '60.

1. Z Kliniki Kardiologii Studium Doskonalenia Lekarzy w Akademii Medycznej w Warszawie i Oddzialu Kardiologicznego Szpitala Miejskiego nr 6 w Warszawie. Kierownik: prof. dr med. E. Zera.

(ENDOCARDITIS SUBACUTE BACTERIAL ther)

ZERA, Edmund; HOFFMAN, Maria

Studies on the behavior of glutamic-acete-oxalic transaminase, aldolase and c-reactive proteins in myocardial infarction. Polskie arch. med. wewnetrz. 31 no.2:217-225 '61.

1. Z Kliniki Kardiologii Studium Doskonalenia Lekarzy A.M. w Warszawie Kierownik: prof. dr med. E. Zera.

(MYOCARDIAL INFARCT blood) (TRANSAMINASES blood)
(ALDOLASE blood) (C-REACTIVE PROTEINS blood)

ZERA, Edmund

Cardiac disorders in gastrointestinal diseases. Wiadomości lek. 7 no.10:509-515 Oct 54.

(HEART, in various diseases, gastrointestinal dis.)

(GASTROINTESTINAL DISEASES, physiology, heart)

ZERA, Edmund

Headaches in cardiovascular diseases. Wiad. lek. 18 no.19: 1493-1497 1 O '65.

1. Z Kliniki Kardiologii Studium Doskonalenia Lekarzy w AM w Warszawie (Kierownik: prof. dr. med. E. Zera).

ZEDA, E.

Odd. Chorob Ukl., Krazenia, Szpit. Miejskiego Nr. 6, Warszaw
*Wyniki kliniczne leczenia przewleklej niewydolnosci krazenia dieta niskosodowa. Clinical results of a low sodium diet in the treatment of chronic congestive heart failure POLSK. TYG. LEK. 1953, 8/34 (1161-1169) Graphs 2 Tables 3

The diet, containing 350-500 mg. of sodium and 2000 cal. daily was given to 72 patients. It was very successful, particularly in serious cases resistant to routine therapeutic measures. The best results were obtained in cases of coronary heart disease with myocardial degeneration and good results in chronic cor pulmonale; they were unsatisfactory in mitral stenosis. Blood sodium decreased by an average of 23.6 % after this treatment. The fluid intake should not be limited.

Gibinski - Bytom

SO: EXCERPTA MEDICA, Vol. 8, No. 5, Section VI, May 1954

POLAND

ZERA, Edmund, Prof. Dr., Director of Cardiology Clinic (Klinika Kardiologii), Physicians' Postgraduate Training Program (Studium Doskonalenia Lekarzy), AM [Akademia Medyczna, Medical Academy] in Warsaw

"Selected Problems of Clinical Aspects of Atrial Arrhythmias."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 39, 23 Sep 63, pp 1455-1459

Abstract: Lecture delivered before Polish Cardiological Society (Polskie Towarzystwo Kardiologiczne) meeting in Lodz. Author notes that atrial arrhythmias, clinically most frequently manifested as premature beat, atrial tachycardia, and atrial flutter or fibrillation, are sometimes difficult to detect and may not involve circulatory difficulties, but mostly do, and it is the consequences of these circulatory disturbances which determine the danger of the illness and the urgency of treatment. He then discusses in detail premature beats, paroxysmal supraventricular tachycardia, atrial flutter and atrial fibrillation, their hemodynamics and their determination, and concludes by discussing diagnostic procedures and treatment, with special note of the most recent anti-arrhythmic drugs. There are 14 Western references.
1/1

ZERA, Edmund; KRZYZANOWSKA, Regina

Symmetric peripheral gangrene consecutive to paroxysmal ventricular tachycardia. Polski tygod lek 15 no.11:392-395 14 Mr '60.

1. Z Zakładu Kardiologii Studium Doskonalenia Lekarzy A.M. w Warszawie; kierownik: prof. dr med. Edmund Zera.
(TACHYCARDIA compl.)
(GANGRENE etiol.)

ZERA, Edmund; JAGIELSKI, Stanislaw

Studies on restoration of sinus rhythm in auricular fibrillation with the aid ofquinidine. Polski tygod. lek. 12 no.23:867-871 3 June 57.

1. Z Zakladu Kardiologii Inst. Dosk. i Specj. Kadr Lek. oraz z Oddzialu Kardiologicznego Szpitala Miejskiego 6 w Warszawie; kierownik: prof dr. med. Edmund Zera. Adres: Warszawa, ul. Goszczynskiego 1.

(AURICULAR FIBRILLATION, therapy,
quinidine, restoration of auric. fibrill. (Pol))
(QUINIDINE, therapeutic use,
auric. fibrill., restoration of auric. fibrill (Pol))

ZERA, Edmund

In memoriam Msciwoj Semerau-Siemianowski. Kardiol. polska 1 no.3-4:13-17 1955.

(OBITUARIES,
Semerau-Siemianowski, Msciwoj (Pol))

POLAND

ZERA, Edmund, HOFFMAN, Maria, JANIK, Zofia, ILMURZYNSKA, Krystyna, and KRZYZANOWSKA, Regina; Post-hospital Cardiological Rehabilitation Center (Kardiologiczny Osrodek Rehabilitacji Poszpitalnej) at the Sanatorium in Naleczow and Cardiology Clinic (Klinika Cardiologiczna) of the Physicians' Postgraduate Training Program (Studium Doskonalenia Lekarzy), AM [Akademia Medyczna, Medical Academy] in Warsaw (Director: Prof. Dr. med. Edmund ZERA)

"Rehabilitation of Patients with Myocardial Infarction."

Warsaw, Polski Tygodnik Lekarski, Vol 18, No 34, 19 Aug 63, pp 1264-1267

Abstract: [Authors' English summary modified] Authors report on procedures and determinations used to ascertain the effectiveness of sanatorium rehabilitation on patients with a history of myocardial infarction. They found the procedure helpful to patients recovery and determination of capacity for work. Effectiveness of rehabilitation depended more on extent of original injury than on the age, sex, localization, complications during first attack, and number of attacks. 8 refs: 3 Polish, 8 Western.

1/1

ACC NR: AR6027462 SOURCE CODE: UR/0044/66/000/005/B051/B051

AUTHOR: Zeragia, P. K.

TITLE: Solution of boundary problems for a nonlinear hyperbolic differential equation with the generalized Chaplygin method

SOURCE: Ref. zh. Matematika, Abs. 5B247

REF SOURCE: Tr. Tbilissk. un-ta, v. 110, 1965, 145-154

TOPIC TAGS: nonlinear equation, hyperbolic equation, boundary value problem, differential equation

ABSTRACT: Gurs and Koshi problems for the equation $u_{xy} = f(x,y,u,p,q)$, where f does not diminish after the last three arguments, reduce to an integral equation for which the theorem of integral inequality applies. Successive approximations, with a proper choice of the zero point, result in a uniform convergence to the solution of the differential equation. [Translation of abstract] N. Azbelev, Z. Tsalyuk

SUB CODE: 12

Card 1/1 UDC: 517.919

ZERAGIYA, D.P.

Variational theory of nonlinear equations. Soob. AN Gruz. SSR 29 no.2:135-142 Ag '62. (MIRA 18:3)

1. Tbilisskiy gosudarstvennyy universitet. Submitted July 15, 1961.

ZERAGIYA, D.P.

Solution of Dirichlet's problem for certain nonlinear elliptic equations. 9-14 Jl '63. (MIRA 17:7)

1. Vychislitel'nyy tsentr AN Gruzinskoy SSR, Tbilisi. Predstavleno akademikom V.D. Kupradze.

LEBSADZE, T.N.; NAKASHIDZE, G.A.; YELIGULASHVILI, I.A.; TALAKVADZE, M.V.; ZERAGIYA, E.M.

Synthesis and electrophysical properties of polymers obtained by the polycondensation of acetone and 4,4'-diacetyl-p-terphenyl with terephthaldialdehyde. Soob. AN Gruz. SSR 39 no.1:75-79 Jl '65. (MIRA 18:10)

1. Institut kibernetiki AN GruzSSR, Tbilisi. Submitted February 22, 1965.

ACCESSION NR: AP4038711 S/0251/64/034/001/0003/0010

AUTHOR: Zeragiya, P. K.

TITLE: Solution of a nonlinear integrodifferential equation by the method of upper and lower functions (Presented by Academician V. D. Kupradze on 15 September 1963)

SOURCE: AN GruzSSR. Soobshcheniya, v. 34, no. 1, 1964, 3-10

TOPIC TAGS: nonlinear integrodifferential equation, upper function, lower function, initial condition, existence, uniqueness, contracting mapping, integration limit, functional inequality

ABSTRACT: With the help of functional inequalities, under certain assumptions on the functions F and K, the author constructs sequences of upper and lower functions which converge uniformly to the desired solution of the nonlinear integrodifferential equation

$$y''(x) = F\left[x, \lambda \int_a^{\infty} K(x, t, y(t), y'(t))\, dt\right] \qquad (1)$$

Card 1/2

ACCESSION NR: AP4038711

in each finite interval $[a,b]$. She wishes to find a function y(x) which is continuous and has continuous first and second derivatives in $[a,b]$, and which satisfies, in this interval, equation (1) and the initial conditions

$$y(a) = y_0, \quad y'(a) = y'_0, \qquad (2)$$

where a, b, y_0, y'_0 are given numbers. A proof of existence of a unique solution for (1) with constant upper limit of integration, for sufficiently small $|\lambda|$ (b-a), with the help of the contracting mapping principle, was given by O. Zhenkhen (O sushchestvovanii i yedinstvennosti resheniy integro-differentsial'nykh uravneniy. DAN SSSR, t. LXXXVI, No. 2, 1952). Orig. art. has: 9 formulas.

ASSOCIATION: Tbilisskiy gosudarstvennyy universitet (Tbilisi State University)

SUBMITTED: 15Sep63 DATE ACQ: 04Jun64 ENCL: 00

SUB CODE: MA NO REF SOV: 001 OTHER: 000

Card 2/2

ZERAGIYA, P.K.

Solving a basic boundary problem for a system of differential equations of the parabolic type of Chaplygin's method. Soob.AN Gruz.SSR 26 no.3:257-264 Mr '61. (MIRA 14:4)

1. Tbilisskiy gosudarstvennyy universitet imeni Stalina. Predstavleno akademikom V.D.Kupradze.
(Differential equations)

ZERAGIYA, P.K.

Solution of boundary value problems for parabolic type equations by the method of potentials. Soob.AN Gruz. SSR 15 no.9:569-573 '54. (MLRA 8:9)

1. Tbilisskiy gosudarstvennyy universitet imeni Stalina. Predstavleno deystvitel'nym chlenom Akademii V.D.Kupradze.
(Differential equations, Partial)

L 19430-63 EWT(d)/FCC(w)/BD3 AFFTC/IJP(C)

ACCESSION NR: AR3005385 S/0044/63/000/006/V007/V007

54

SOURCE: RZh. Matematika, Abs. 6V17

AUTHOR: Zeragiya, P. K.

TITLE: On the application of Chaplygin's method to the solution of the basic boundary value problem for a single non-linear equation of the parabolic type

CITED SOURCE: Tr. Tbilissk. un-ta, v. 84, 1961(1962), 117-125

TOPIC TAGS: Chaplygin method, numerical method, non-linear parabolic equation, Lyapunov surface, boundary value problem

TRANSLATION: In region D of an n-dimensional space R bounded by a closed Lyapunov surface S, the author considers a nonlinear differential equation of the parabolic type

$$\sum_{i,j=1}^{n} a_{ij}(x,t)\frac{\partial^2 u}{\partial x_i \partial x_j} - \frac{\partial u}{\partial t} = f(x,t,u). \qquad (1)$$

where $x(x_1, x_2, \ldots, x_n)$ is a point in space R; t varies over the segment $[0, T]$, the coefficients $a_{ij}(x,t)$ $(i,j = 1,2,\ldots,n)$ are continuous functions in the region

Card 1/2

L 19430-63

ACCESSION NR: AR3005385

$x \in D + S$, $0 \leq t \leq T$, and the quadratic form $\sum_{i,j=1}^{n} a_{ij}\xi_i\xi_j$

is positively defined in the same region. In earlier studies the author applied Chaplygin's method to the solution of nonlinear parabolic equations. The function $f(x,t,u)$ was assumed continuous along with f'_u and $f'_u > 0$ for $x \in D + S$, $0 \leq t \leq T$ and $-\infty < u < +\infty$. In the present study he establishes the basic differential inequalities and proves the existence and singularity of the solution of the basic boundary problem for equation (1) with the following assumptions: $f(x,t,u)$ is continuous in the region $x \in D + S$, $0 \leq t \leq T$, $-\infty < u < +\infty$; $f(x,t,u)$ is a monotonically increasing function of u, i.e., if $u_1 \leq u_2$, then $f(x,t,u_1) \leq f(x,t,u_2)$. M. Aleksidze.

DATE ACQ: 24Jul63 SUB CODE: MM ENCL: 00

Card 2/2

ACC NR: AR6027463 SOURCE CODE: UR/0044/66/000/005/B051/B051

AUTHOR: Zeragiya, P. K.

TITLE: Solution of a hybrid problem for a nonlinear hyperbolic equation with a generalized Chaplygin method 16

SOURCE: Ref. zh. Matematika, Abs. 5B248

REF SOURCE: Tr. Tbilissk. un-ta, v. 110, 1965, 155-162

TOPIC TAGS: hyperbolic equation, nonlinear equation, approximation method, integral relation

ABSTRACT: The Chaplygin approximation method, based on the theorem of integral inequality, is proposed for solution of the equation $u_{xy} = f(x,y,u)$ $(\frac{\partial f}{\partial y} > 0)$ with conditions $u(x,y)\big|_{y=y_0} = 0$, $u(x,y)\big|_L = 0$ on the characteristic y_0 and curve L.

[Translation of abstract] N. Azbelev, Z. Tsalyuk

SUB CODE: 12

Card 1/1 UDC: 517.919

ZERAGIYA, P.K.

Academician S.A. Chaplygin's method for solving basic boundary problems for nonlinear differential equations of the parabolic type. Soob.AN Gruz.SSR 17 no.2:103-109 '56. (MLRA 9:8)

1. Tbilisskiy gosudarstvennyy universitet imeni Stalina. Predstavleno deystvitel'nym chlenom Akademii V.D. Kupradze.
(Differential equations)

ZERAGIYA, P.K.

Boundary value problems for certain nonlinear parabolic equations.
Trudy Mat. inst. AN Gruz. SSR 24:195-221 '57. (MIRA 11:3)
(Differential equations, Partial)

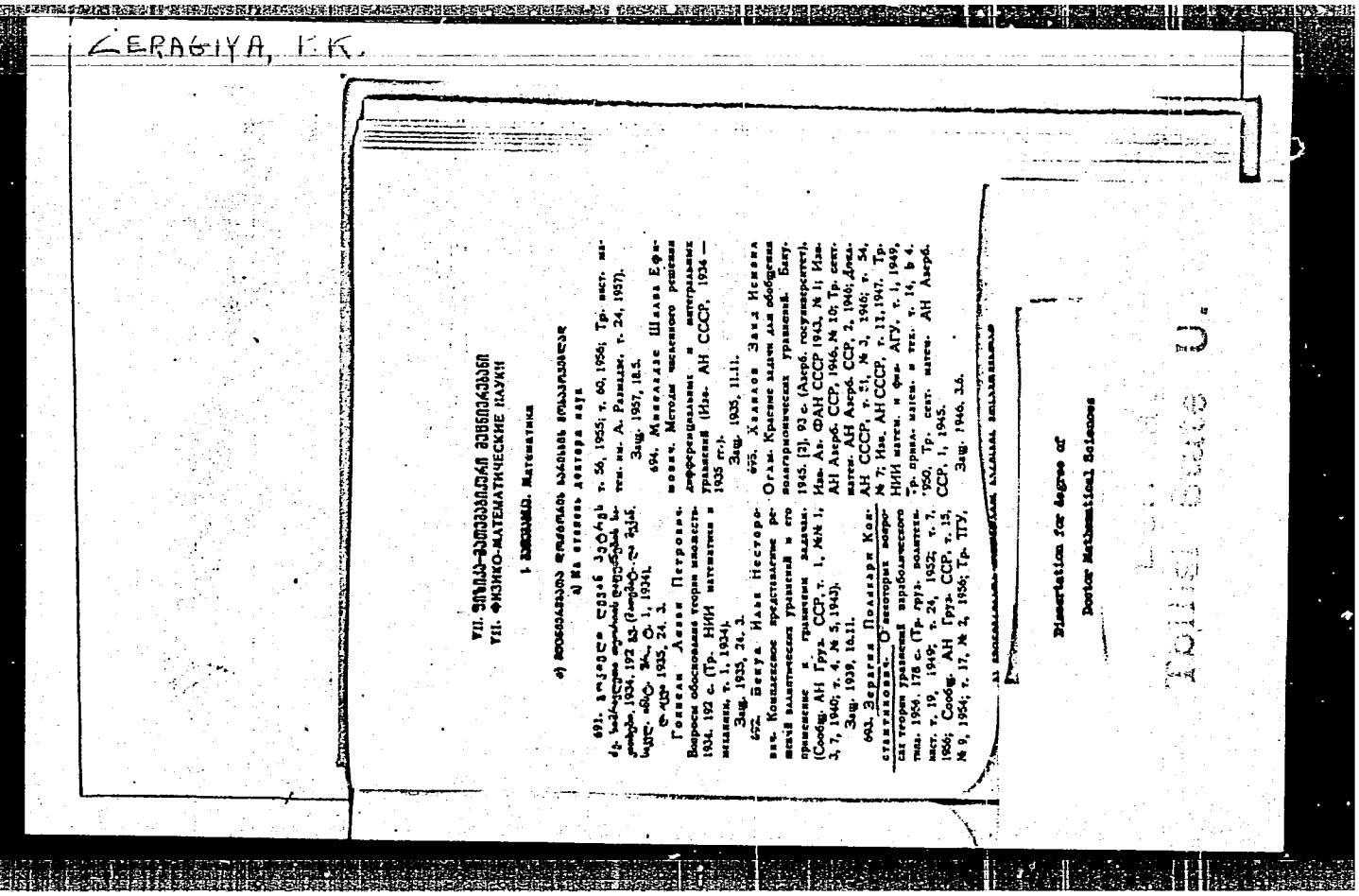
ZERAGIYA, P. K. Doc Phys-Math Sci -- (diss) "~~Some~~ On certain Problems of the Theory of Parabolic-Type Equations". Tbilisi, 1957. 7/ pp 21 cm. (Tbilisii State ~~Inst~~ Univ im I. V. Stalin), 200 copies (KL, 17-57, 94)

ZERAGIYA, P.K.

Using S.A.Chaplygin's method to find the approximate solution of a nonlinear parabolic equation. Soob.AN Gruz.SSR 18 no.6:647-654 Je '57. (MIRA 10:10)

1. Tbilisskiy gosudarstvennyy universitet im. I.V.Stalina. Predstavleno akademikom V.D.Kupradze.
(Differential equations, Partial)

Def- at
Tbilisi State U.



ZERAGIYA, I. K.

Dissertation for degree of
Doctor Mathematical Sciences

SERAFIMOV, K.; ZERAJIC, D.; PEEV, A.

A case of secondary echinococcosis of the spleen. Acta chir. Iugosl. 9 no.1:74-79 '61.

1. Hirurska klinika Medicinskog fakulteta u Skopju (Upravnik prof. dr B. Dragojevic).
(ECHINOCOCCOSIS case reports) (SPLEEN dis)

SERAFIMOV, K.; ZERAJIC, D.

Mucocele of the appendix (apropos of one of our cases) Acta chir. iugosl. 8(9) no.2:142-147 '61.

1. Hirurska klinika Medicinskog fakulteta u Skopju (Upravnik prof. dr B. Dragojevic)

(APPENDIX diseases)

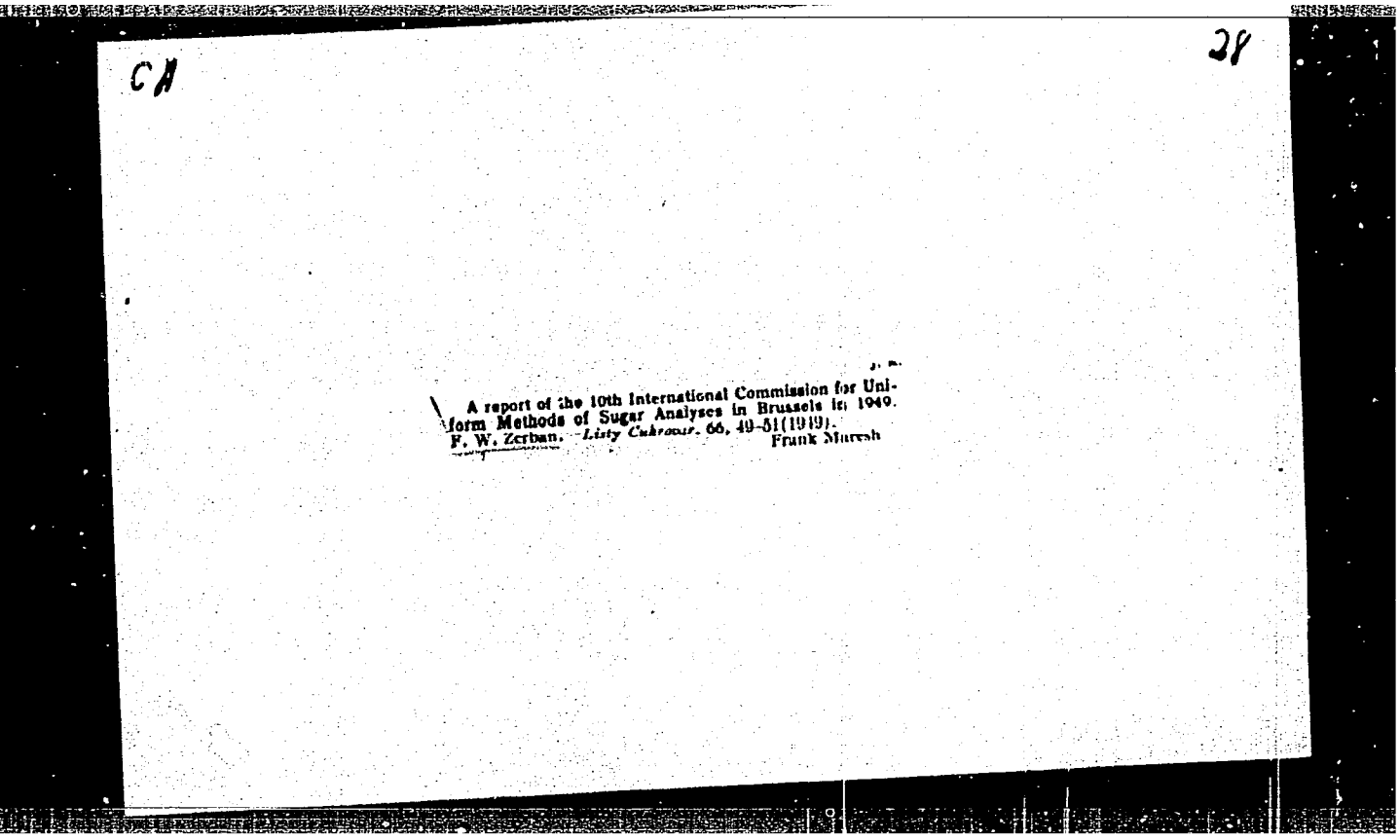
ZERAVICA, M., inž.

The international study group on lead and zinc. Rudar glasnik no.3: 83-84 '62.

1. Savezni zavod za privredno planiranje, Beograd.

DIZDAR, Vojno, inz.; BULJAN, Vladimir, inz.; KNEZEVIC, Ljubica;
MIRKOV, Kornelije, inz.; NIKOLIC, Branka; PANJKOVIC, Vasilije;
RADOVANOVIC, Predrag, inz.; RAJNER, Ernest, inz.;
STOKRPA, Dragic; SURIC, Stjepan, inz.; ZERAVICA, Marko, inz.

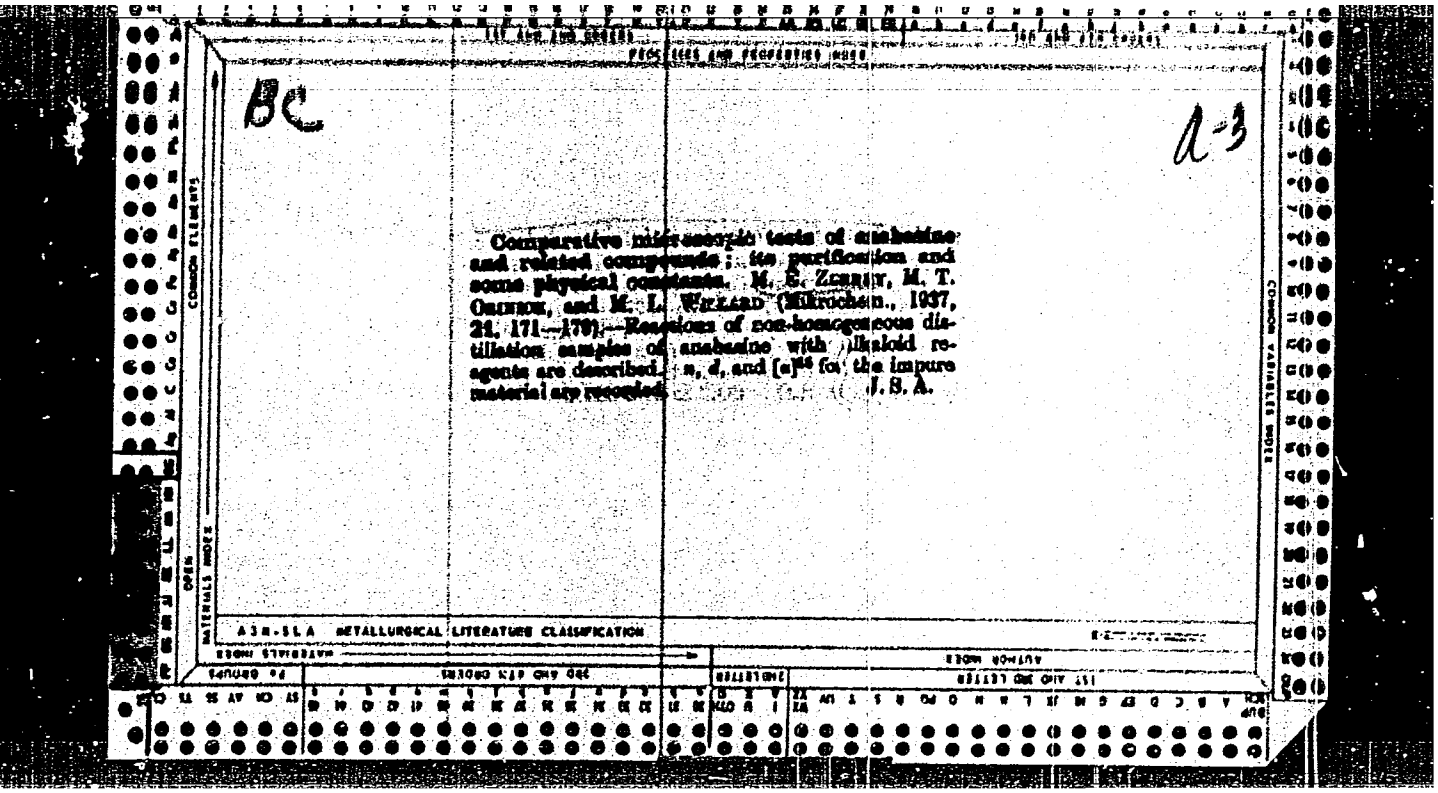
Development of the chemical industry in Yugoslavia.
Alm hem ind 51-196 '62.



CA

28

A report of the 10th International Commission for Uniform Methods of Sugar Analyses in Brussels in 1949.
F. W. Zerban. *Listy Cukrovar.* 66, 49–51(1949).
Frank Muresh



MICHEJDA, Jan, doc. dr; KASPRZAK, Leokadia, M.Sc.; OBUCHOWICZ, Ludwik, dr; ZERBE, Teresa, M.Sc.

Respiratory metabolism in the snail, Helix pomatia. Pt. 3. Sciences biol Biul Poznan no.4:115-134 '64.

1. Department of Animal Physiology, A. Mickiewicz University, Poznan.

OBUCHOWICZ, Ludwik, dr.; ZERBE, Teresa, mgr

Cytochrome C oxidase activity in hepatopancreas of the snail Viviparus viviparus L. Sciences biol Biul Poznan no.3:39-46 '62.

1. Department of Animal Physiology, Adam Mickiewicz University, Poznan.

ZERBINO, D.D. (Chernovitsy, Universitetskaya ul., 12,kv.9)

Senile changes in the efferent lymphatic vessels. Arkh. anat. gist. embr. 39 no. 10:37-42 O '60. (MIRA 14:2)

1. Kafedra patologicheskoy anatomii (zav. - prof. N.M. Shinkerman) Chernovitskogo meditsinskogo instituta.

(LYMPHATICS) (AGING)

ZERBINO, D.D. (Chernovtsy)

Changes in thelymphatic system in chronic blood circulation insufficiency. Arkh. pat. 27 no.9:11-16 '65.

(MIRA 18:12)

1. Kafedra patologicheskoy anatomii (zav. - prof. N.M. Shinkerman) Chernovitskogo meditsinskogo instituta. Submitted December 25, 1963.

ZHEBINO, D.D.

Rare case of hernia of the diaphragm. Vrach.delo no.6:635-637 Jo '58 (MIRA 11:7)

1. Kafedra topograficheskoy anatomii i iperativnoy khirurgii (zav. - dots. N.P. Novikov) Chernovitskogo meditsinskogo instituta.
(DIAPHRAGM--HERNIA)

USSR / Human and Animal Morphology, Normal and Pathological. S
Lymphatic System.

Abs Jour : Ref Zhur - Biol., No 8, 1958, No 35987

Author : Serbino, D. D.
Inst : Not given
Title : Concerning the Perivascular Lymphatic Vessels.

Orig Pub : Arkhiv. anatomii, gistol. i embriologii, 1957, 34, No. 5 35-39.

Abstract : The perivascular lymphatic vessels (PLV) of the liver (20), lung (11), diaphragm (14), and testicles (35) in the fetus, newborn, children and adults were studied on microscopic sections after the injection of the Jerome and Spehand' mass or on histological specimens. A difference of forms of PLV in various organs were discovered. Around the large branches of the portal vein and the potatic artery, PLV are arranged

Card 1/2

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(LYMPHATIC VESSELS, anat. and histol.
perivasc.)
(BLOOD VESSELS, anat. and histol.
perivasc. lymphatic vessels)

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valves, methods of investigation (Rus))

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